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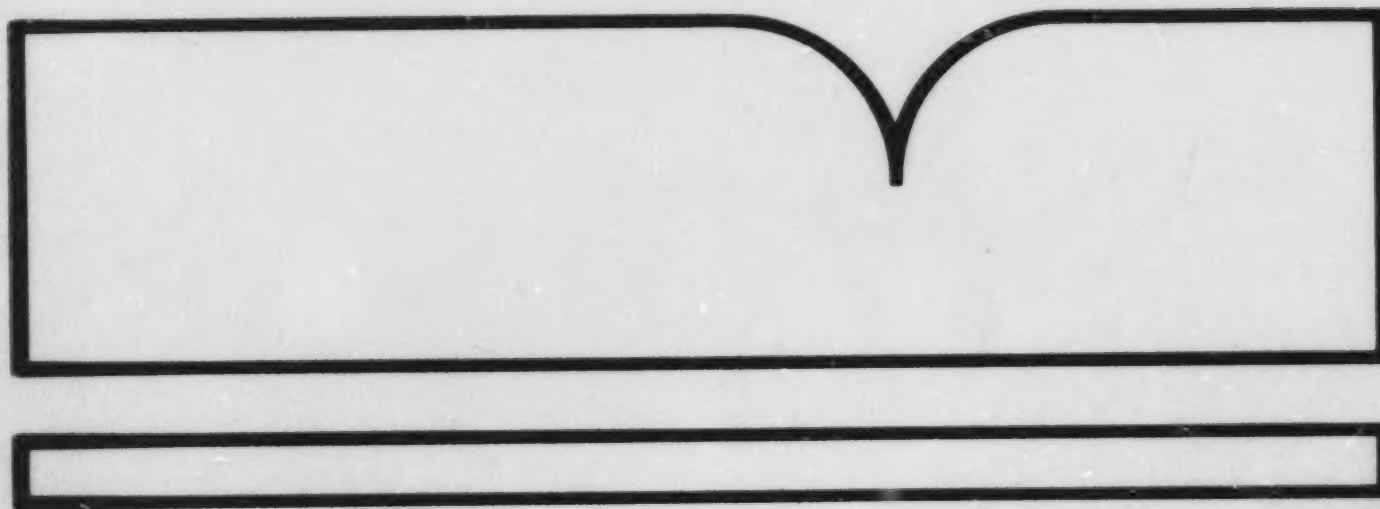
Predicting and Evaluating the Effects of
Acidic Precipitation on Water
Chemistry and Endemic Fish
Populations in the Northeastern United States

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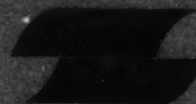
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April 1986

Air Pollution and Acid Rain
Report No. 23

**PREDICTING AND
EVALUATING THE EFFECTS
OF ACIDIC PRECIPITATION
ON WATER CHEMISTRY AND
ENDEMIC FISH POPULATIONS
IN THE NORTHEASTERN
UNITED STATES**

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PREDICTING AND EVALUATING THE EFFECTS OF ACIDIC PRECIPITATION
ON WATER CHEMISTRY AND ENDEMIC FISH POPULATIONS
IN THE NORTHEASTERN UNITED STATES

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U.S. Department of the Interior



UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

EASTERN ENERGY AND LAND USE TEAM

Box 705
Kearneysville, West Virginia 25430

Dear Colleague:

The Eastern Energy and Land Use Team (EELUT) is pleased to provide you with this report entitled "Predicting and Evaluating the Effects of Acidic Precipitation on Water Chemistry and Endemic Fish Populations in the Northeastern United States." This is the twenty-third technical publication in the EELUT series on air pollution and acid rain. Previous reports in this series are listed on the following pages.

This study was conducted to better understand the relationship between the status of fish populations and a range of chemical conditions related to acidity. The research involved 22 lakes in Maine. The lakes are in a region that receives highly acidic precipitation. The study showed fish distribution and abundance were affected by acidity. There were no fish in lakes with pH less than 5.0. Fish from lakes between pH 5.4 and 6.0 contained elevated concentrations of trace metals. Sublethal stress, as indicated by reduced bone mechanical strength and increased numbers of gill mucus cells, was also shown for fish from acidic lakes.

We are interested in your comments concerning this publication and invite you to write or call us (phone 304/725-2061; FTS 9255279).

Sincerely,

R. Kent Schreiber

R. Kent Schreiber
Acting Team Leader, EELUT

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- Biol. Rep. 80(40.22) The Effect of Acidic Precipitation on Amphibians
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- Biol. Rep. 80(40.23) Predicting and Evaluating the Effects of Acidic
Precipitation on Water Chemistry and Endemic Fish
Populations in the Northeastern United States

DISCLAIMER

Although the research described in this report has been funded in part by the U.S. Environmental Protection Agency through Interagency Agreement No. AD-14-F-2A221 to the U.S. Fish and Wildlife Service, it has not been subjected to the Agency's required peer and policy review and does not necessarily reflect the views of the Agency. Mention of trade names or commercial products does not constitute endorsement or recommendation for use by the Federal Government. This research has been funded as part of the National Acid Precipitation Assessment Program by the U.S. Fish and Wildlife Service and the U.S. Environmental Protection Agency.

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EXECUTIVE SUMMARY

This study was conducted to assess the status of fish populations of 22 lakes in Maine representing a range of chemical conditions related to acidity. All the lakes were less than 50 ha in surface area, were located in undisturbed watersheds, had permanent outlets but no permanent inlets, and were low in color. None had been stocked with fish or chemically reclaimed. Lakes were selected in areas in which each of the bedrock buffering capacity and soil cation exchange capacity categories identified in the state are represented. Each lake was sampled three times to determine water chemistry and once to assess the status of fish populations. In addition, trace element concentration, bone strength and composition, and gill histological parameters were studied in white sucker from four lakes representing the range of water chemistry conditions of lakes that supported fish.

Bedrock buffering capacity and soil cation exchange capacity were not good predictive indices of lake acidity. Bedrock and soil areas with high acid neutralizing capacity (ANC) did not contain acid lakes, but areas that were low in ANC contained lakes ranging from highly acidic to neutral. From this we can predict that lakes located in regions of high ANC would not be acidic, but without detailed information on watershed hydrology, it was not possible to predict the level of acidity of lakes located in regions with low ANC. Although this region receives highly acidic precipitation, only a small fraction of the lakes located in areas of low ANC were in fact acidic.

Of the 22 lakes surveyed three had $\text{pH} < 5.0$ and contained no fish. The remaining 19 lakes had $\text{pH} 5.4\text{--}7.0$ and contained 1-10 species of fish. Brook trout, golden shiner, and white sucker were the most common species. White sucker and sunfish (pumpkinseed and redbreast) were ubiquitous with respect to lake pH , but common shiner and creek chub were absent from lakes less than $\text{pH} 5.9\text{--}6.0$. Multivariate statistical analyses showed that the fishless lakes differed from lakes supporting fish primarily with respect to water chemistry variables related to acidity, such as pH , aluminum, and calcium. For lakes containing fish the factors most related to fish species richness and abundance were total ionic strength, maximum depth, and surface area, all measures related to lake productivity, and habitat quantity and diversity. Cluster analysis identified three distinct fish species groups - depauperate, sunfish-sucker, and cyprinid - but multiple comparison analysis failed to relate any measured chemical or physical variable to these groupings. Lakes in the depauperate group tended to be deep and low in ionic strength, and the lack of fish species in these lakes may be the result of low productivity coupled with an absence of extensive littoral areas.

Fish from three acidic lakes were higher in whole body residues of cadmium, lead, and mercury than fish from the single circumneutral lake studied. However, stepwise multiple regression analysis indicated that the differences in trace metal content were best explained by the sum of calcium and magnesium or the log of alkalinity of lake water. This suggests that divalent cations play an important role in trace metal uptake. There was no evidence that lake acidity affected whole body stores of sodium or potassium.

The mechanical properties of bone in fish from more acidic lakes also were significantly weaker than fish from the circumneutral lake. Bone proline concentration was significantly reduced in these fish, and there was a tendency for the weaker bones to be lower in calcium. Histological analyses of the gills of these fish demonstrated an increased number of mucus cells in fish from an acidic as compared to fish from a circumneutral lake.

The results of this study show that fish species distribution and abundance were affected by acidity in Maine lakes. Lakes of pH less than 5.0 were devoid of fish. Lakes of pH about 5.5 and above contained relatively normal fish populations in terms of abundance and species richness. Fish from lakes between pH 5.4-6.0 contained elevated concentrations of trace metals, probably as a result of divalent cation mediation of metal uptake across gill membranes. Fish from acidic lakes also showed sublethal stress as indicated by reduced bone mechanical strength and increased numbers of gill mucus cells.

TABLE OF CONTENTS

EXECUTIVE SUMMARY.....	Page iii
LIST OF FIGURES.....	vi
LIST OF TABLES.....	vii
ACKNOWLEDGMENTS.....	viii
GENERAL INTRODUCTION.....	1
LAKE SELECTION AND SAMPLING.....	3
Lake Selection.....	3
Chemical Sampling.....	3
Fish Collection.....	6
Quality Assurance.....	7
PREDICTING LAKE CHEMISTRY.....	9
FISH SPECIES DISTRIBUTION.....	13
Introduction.....	13
Materials and Methods.....	13
Results.....	14
Discussion.....	19
FISH TRACE ELEMENTS AND IONS.....	23
Introduction.....	23
Materials and Methods.....	23
Results.....	25
Discussion.....	26
BONE STRENGTH AND COMPOSITION.....	28
Introduction.....	28
Materials and Methods.....	28
Results.....	28
Discussion.....	30
GILL HISTOLOGY.....	31
Introduction.....	31
Materials and Methods.....	32
Results.....	32
Discussion.....	37
SUMMARY AND CONCLUSIONS.....	39
LITERATURE CITED.....	40
APPENDIX A WATER CHEMISTRY DATA.....	51
APPENDIX B FISH DATA.....	74

LIST OF FIGURES

<u>Figure</u>		<u>Page</u>
1	Location of the 22 Maine lakes surveyed.....	4
2	Distribution of fish species by pH.....	16
3	Cluster analysis of fish species assemblages for the nineteen lakes containing fish.....	17
4	Lake groups and fish species occurrence based on cluster analysis.....	18
5	White sucker gill secondary lamellae.....	33
6	Pore in secondary lamellar epithelium.....	35

LIST OF TABLES

<u>Table</u>	<u>Page</u>
1 Morphological characteristics of the 22 study lakes.....	5
2 Results of the internal laboratory assurance program.....	8
3 Limnological characteristics of the 22 study lakes.....	10
4 Lake chemistry contrasted by bedrock and soil acid neutralizing capacity.....	11
5 Previous versus recent pH and alkalinity for seven of the study lakes.....	12
6 Number of individuals of each fish species collected from the study lakes.....	15
7 Stepwise multiple regression analysis with fish species abundance as the dependant variable and lake chemical and physical factors as the independant variables.....	19
8 Results of Tukeys non-parametric multiple comparison analysis for fish species group.....	20
9 Mean and standard error of chemical variables from the four lakes from which fish were analysed for trace metals, bone composition and gill histology.....	24
10 Differences in trace element concentrations of whole eviscerated white suckers from four Maine lakes.....	24
11 Stepwise multiple regression analysis of fish trace metal content versus lake chemical factors.....	26
12 Bone biochemical composition and mechanical properties for white sucker from four Maine lakes.....	29
13 Nested analysis of variance of mucus cell counts.....	34
14 Sizes of mucus cells in sections from individuals from Unnamed Pond and Green Lake.....	36
15 Numbers of mucus cells in gills of fish from Unnamed Pond and Green Lake.....	37

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GENERAL INTRODUCTION

It is now well documented that the precipitation that falls on the northeastern United States is highly acidic as compared to western North America or remote locations elsewhere in the world. Galloway et al. (1984) reported that the mean pH of precipitation at five background sites in the southern hemisphere was 4.7 to 5.0, whereas the mean pH for five sites in the northeastern United States was 4.15-4.30. The decreased pH in precipitation at the northeastern United States sites was accompanied by similarly increased concentrations of nitrate and sulfate. Neftel et al. (1985) found that nitrate and sulfate concentrations in snow from south Greenland have increased since 1895. Both compounds exhibited an initial increase followed by a moderate decrease from 1895 to ca. 1935, followed by a generally continuous increase to the present. They calculated that anthropogenic sources of these acid precursors surpassed natural sources in the late 1950s. Wolff and Peel (1985) reviewed previous studies of the record of global pollution in polar ice and snow and concluded that concentrations of sulfate and nitrate in Greenland snow have increased by factors of three and two, respectively, over the last century, but that no such increases have occurred in Antarctica. They interpreted this as a reflection of the geographical pattern of industrial emissions, which are concentrated in the northern hemisphere.

The deposition rate of acidic substances (primarily H^+ and SO_2) downwind of industrial areas may be 1-5 keq/ha/yr. This exceeds the acid neutralizing capacity of soils and surface waters in areas that are comprised of base-poor bedrock overlain with thin podzolic soils (Schnoor and Stumm 1984; van Breemen et al. 1984). This situation exists in areas of Scandinavia and eastern North America, where the presence of acidic (pH<5.0), low color lakes and streams has been well documented (Altshuler and Linthurst 1984). Analysis of fossil diatom frustules from sediments in lakes in these areas suggests that acidification began no earlier than the 1800s, and frequently as late as the 1950s (Battarbee et al. 1985; Charles 1984; Davis and Berge 1980; Davis et al. 1983). Acidification of surface waters has resulted in complex changes in aquatic biological communities, the most noticeable of which is the decline or extinction of fish populations (Dillon et al. 1984). Fish that survive in acidic lakes frequently contain elevated concentrations of toxic trace metals, such as cadmium, lead, and mercury (Heit and Klusek 1985; Jernelov 1980; Suns et al. 1980; Wiener 1983).

The linkage between surface water acidification and fish population decline has been clearly established in Scandinavia (Muniz et al. 1984; Wright and Henriksen 1983), the Sudbury region of Ontario (Harvey and Lee 1982), and southwestern Nova Scotia (Watt et al. 1983). Baker and Harvey (1985) recently examined the extensive fishery database for the Adirondack Mountain region of New York and concluded that at least 50 fish populations had been eliminated by acidification, and the number could be as large as 300-350 populations. Elsewhere in the United States the evidence that fish populations have been altered by acidification is weak (Magnuson et al. 1984). In a previous study (Haines and Akielaszek 1983) we documented the existence of acidic, clear water lakes in northern New England. Approximately 8% of the lakes surveyed had pH<5.0, and 40% had acid

neutralizing capacity (ANC) less than 100 $\mu\text{eq/l}$. The acidic and low ANC lakes were generally small, headwater lakes located in areas where bedrock was low in buffering capacity. However, no biological data were collected during that study to ascertain the relationship between fish populations and lake acidity.

This study was conducted to collect further information concerning the relationship between watershed parameters and lake chemistry in northern New England, ascertain the relationship between fish populations and physical and chemical characteristics of the lakes, and evaluate chemical stress on fish in acidic lakes by employing several biochemical and physiological measurements. We selected 22 lakes in Maine that were similar with respect to physical parameters but were located in areas of varying bedrock and soil composition, and which had not been subjected to fishery management manipulations. Each lake was surveyed to evaluate chemical composition and fish population status. In addition, trace element concentrations, major cations, bone strength and composition, and size and density of mucus cells in gill epithelia were studied.

LAKE SELECTION AND SAMPLING

LAKE SELECTION

We selected 21 lakes for intensive study of water chemistry and fish populations (Figure 1; Table 1) based on the following criteria: (1) representative bedrock buffering capacity, (2) representative soil exchange capacity, (3) lake surface area less than 50 ha, (4) no human disturbance in the watershed, (5) no history of fish stocking or chemical reclamation, (6) presence of a permanent outlet but no permanent inlet, (7) lack of bog characteristics (low color), (8) reasonable accessibility. In addition, Mud Pond, T10SD, Hancock County, was included and used in the fish species distribution analysis. This lake is part of the NAPAP Long Term Monitoring Program and has been studied by us since 1980. Seven of the lakes had been previously surveyed by state fisheries biologists.

Approximately 60% of the lakes were located in bedrock class 1 (little or no buffering capacity; Hendrey et al. 1980) and 85% in soil classes SS1 and SS2 (slightly sensitive; McFee 1980). Initially we planned to select approximately the same number of lakes to represent each soil and bedrock type, in order to evaluate these factors as predictors of lake chemistry and fish population status. However the first 10 lakes surveyed were relatively high in pH and alkalinity, despite being located mostly in areas of low ANC. Therefore, we subsequently selected lakes that were only located in areas of low ANC in order to increase the sample size of lower pH lakes.

CHEMICAL SAMPLING

Each lake was sampled three times for water chemistry: spring overturn, summer stratification, and fall overturn. The water sample collection protocol followed that specified by the National Acid Precipitation Assessment Program (1985). Briefly, this involved collecting three samples each at two depths: 0.1 m below the surface and as close to the bottom as possible in the deepest part of the lake. Samples were collected with plastic Van Dorn-type collectors, and immediately transferred to polyethylene bottles that had been acid washed and rinsed three times with double deionized, distilled water. Each bottle was rinsed three times with lake water of appropriate depth before it was filled with the sample. Water samples were placed on ice within an hour after collection and returned to the laboratory within 3 hours. Immediately upon arrival at the laboratory, pH, specific conductance, apparent color, and alkalinity were measured on one sample from each depth. The two remaining samples from each depth were stored for later analysis of major cations and anions. The sample used for measuring cations was preserved by acidifying with HNO_3 to pH below 2 and the sample used for measuring anions was refrigerated at 1 C.

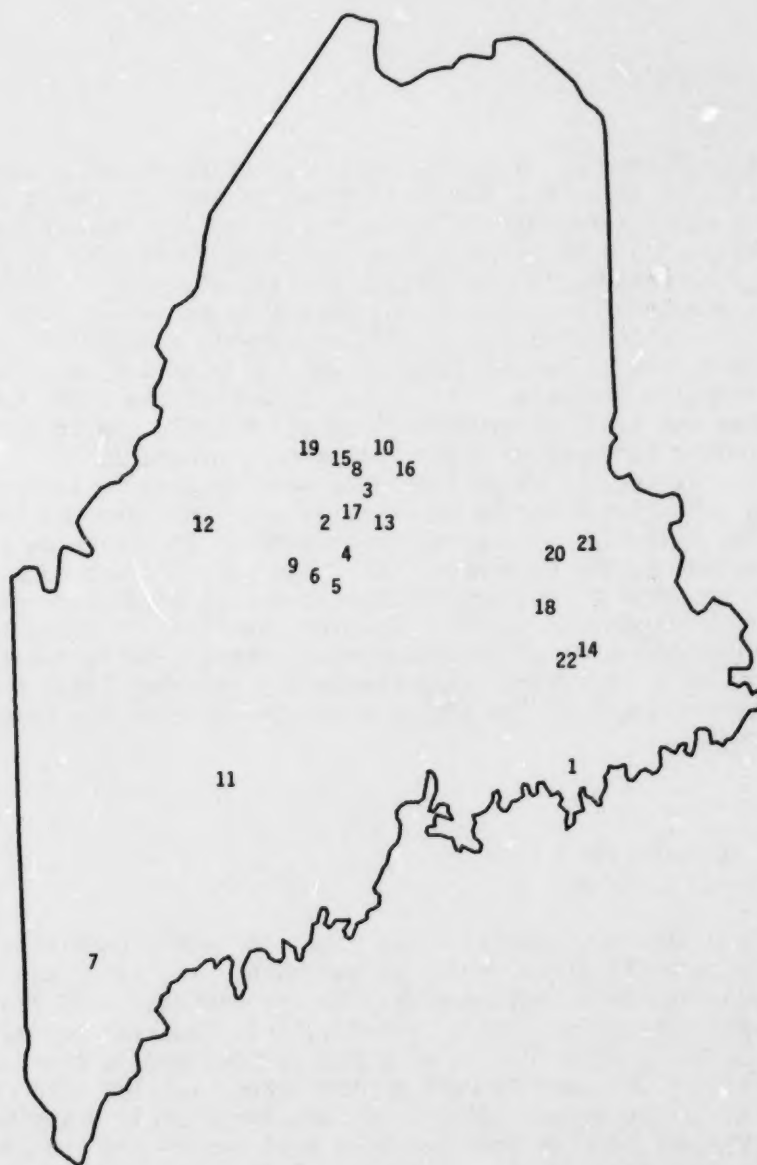


Figure 1. Location of the 22 Maine lakes surveyed. The numbers are associated with lake names in Table 1.

Table 1. Morphological characteristics of the 22 study lakes.

Number	Lake	Latitude	Longitude	Lake Area (ha)	Watershed Area (ha)	Elevation (m)	Max. Depth (m)	Bedrock ^a Class	Soil ^b Class
1	Mud	44°37'50"	68°05'38"	2	68	110	14	1	SS2
2	Cloud	45°24'59"	69°21'26"	8	34	734	11	1	SS2
3	Crater	45°31'13"	69°07'01"	6	18	771	8	2	SS2
4	Lost	45°25'41"	69°16'58"	6	60	325	3	1	SS2
5	Garcock	44°16'10"	69°21'03"	1	26	120	6	1	SS2
6	Horseshoe	45°17'30"	69°22'46"	26	194	162	4	1	SS2
7	Browns	43°54'27"	70°43'21"	39	311	159	2	1	SS2
8	Unnamed	45°41'00"	69°10'00"	7	27	382	2	1	SS2
9	Eighteen	45°19'00"	69°27'42"	6	34	229	9	4	SS2
10	Little Hurd	45°49'22"	69°01'30"	24	1984	222	27	1	SS2
11	Davis	44°33'33"	69°59'58"	7	70	253	11	1	SS2
12	Fogg	45°35'27"	70°04'01"	9	197	532	6	2	SS2
13	Johnston	45°35'50"	69°03'42"	24	264	416	18	2	SS2
14	Knox	45°01'19"	67°53'41"	21	337	104	6	1	SS1
15	Little Fisher	45°46'04"	69°16'40"	14	179	363	2	3	NS
16	Twin	45°47'47"	68°49'33"	24	158	241	26	1	SS2
17	Bear	45°38'51"	69°11'40"	5	163	418	4	1	SS2
18	Porter	45°09'32"	68°13'02"	23	161	140	4	1	SS2
19	Big Fisher	45°46'41"	69°17'18"	23	153	351	3	3	NS
20	Upper Pug	45°18'59"	68°05'34"	20	236	153	5	4	SS2
21	Trout	45°22'32"	67°53'12"	2	41	241	3	2	NS
22	Green	45°00'51"	68°03'20"	26	114	139	4	3	SS2

^aBedrock class 1=no ANC, 2=slight ANC, 3=moderate ANC, 4=high ANC (Hendrey et al. 1980).^bSoil class SS1=slightly sensitive to acidification, more than 50% of area, SS2=slightly sensitive, less than 50% of area, NS=not sensitive (McFee 1980).

The pH was measured with a Fisher or Cole Parmer digital pH meter, equipped with either a Beckman Altex or an Ingold liquid filled glass combination electrode. Specific conductance was measured with a temperature compensating portable conductivity meter (Markson model 10). Apparent color was obtained by visually comparing the color of a 25 ml unfiltered water sample to platinum cobalt standards. Alkalinity was determined by inflection point titration following the method of Gran (Stumm and Morgan 1981). All analyses were performed in replicate (i.e., twice). Sodium and potassium concentrations were determined by air-acetylene flame atomic absorption spectrophotometry (AAS; Perkin Elmer model 703), calcium and magnesium by nitrous oxide-acetylene flame AAS, and total aluminum by graphite furnace AAS. Sulfate, nitrate, and chloride ion concentrations were determined by ion chromatography (Dionex model 2110i). Organic anions were calculated from water color following the procedure described by Haines and Akielaszek (1983).

FISH COLLECTION

Fish were collected once from all the lakes during the summer months of 1982 and 1983. In addition, we resurveyed 6 lakes once in the summer of 1984. In 1982 and 1983, fish were sampled with one overnight set of one 60 or 75 m nylon experimental mesh gill net and 4 metal minnow traps baited with commercial dry dog food. The gillnets were 2 m deep; the 60 m net contained four panels of stretched mesh size 25 mm, 35 mm, 50 mm, and 63 mm, respectively. The 75 m net contained an additional panel of 75 mm stretched mesh. Net and minnow traps were set in late afternoon and retrieved the next morning, after fishing an average of 19 hours per lake. The gillnet was set with the small mesh size panels in shallow water and the larger mesh panels in deeper water. The four minnow traps were scattered in the littoral zone, preferably in areas containing submerged aquatic vegetation.

All fish caught were placed on ice and returned to the laboratory to be identified, measured, and weighed. Species were identified using standard taxonomic procedures. Questionable specimens were examined independently by at least two experienced fisheries scientists. The specimens we collected of pumpkinseed sunfish (Lepomis gibbosus) and redbreast sunfish (Lepomis auritus) were all small. Inasmuch as these species hybridize extensively (Scott and Crossman 1973), we did not attempt to differentiate between them and classed all specimens as "sunfish". The sex of each fish was determined by examining the gonads, and scales were removed for future age determination. If more than 20 fish of a species were collected, 20 specimens were randomly selected for sex and age determination. Cyprinids, centrarchids, and ictalurids were not sexed or aged. Fish to be analyzed for trace elements and bone composition were wrapped individually in plastic bags and frozen (-20 C) until analyzed.

Six lakes were resurveyed in the summer of 1984 to assess whether or not the fishing effort of the previous two years had been adequate to accurately describe fish species presence and abundance. Three acidic lakes (Garcock Pond, Unnamed Pond, and Eighteen pond) and three circumneutral lakes (Knox Pond, Trout Pond, and Green Lake) were selected

for resurvey based on the results of the 1982 and 1983 survey. These lakes were judged to be lower in number of fish species than lakes of comparable morphometry and water chemistry. The resurvey included an overnight set of three or four 40 m experimental mesh gillnets, eight baited minnow traps (commercial dry dog food), four eel pots baited with fresh liver, and a small trap net. Each experimental gillnet was 2 m deep and had five panels of stretched mesh size 19, 25, 37, 50, and 63 mm, respectively. At least one gillnet was set in the deepest part of the lake to fish for deep-water species. The remaining gillnets were distributed along shore. The eight minnow traps were scattered in the littoral zone and the eel pots were set in the deepest areas of the lake. This protocol increased fishing effort by a factor of more than two.

QUALITY ASSURANCE

For this project, we followed the quality assurance program for water chemistry and fish sampling and analysis established for our laboratory under the Long Term Monitoring Project of the National Acid Precipitation Assessment Program, Project E1-15. The program includes (1) routine service and maintenance of analytical instruments, (2) analysis of blanks, laboratory-prepared standards, and EPA-supplied quality assurance standards, (3) calculation of water sample ion balance, and (4) establishment of standard procedures for sample tracking, data recording, and transfer. The results of the internal laboratory quality assurance program (Table 2) demonstrate acceptable precision and bias. Linear regression analysis of ion balance using the sum of cations as the dependent variable gave the following equation:

$$\text{sum of cations} = 1.30 + 1.06 \text{ sum of anions}$$

$$(r^2=0.87, p<0.0001, N=107)$$

The intercept and slope were not significantly different from 0 and 1, respectively (t-test, $p<0.05$).

Table 2. Results of the internal laboratory quality assurance program.

Parameter	N	Repeatability	Precision ^a		Bias ^b		Blank	
			Mean	Range	Mean	Range	N	Mean
pH	31	+0.01 units	+0.65%	0-1.8%	-3.56%	0.0 - +8.3%	11	5.61 units
alkalinity	25	+1.0 µeq/l	+14.90	0-15.9	-4.23	-5.1 - -3.2	8	-0.36 µeq/l
conductance	20	+1 µS/cm	+8.70	0-13.5	+1.11	-5.0 - +5.0	8	0 µS/cm
Ca	74	+0.01 ppm	+1.04	0-2.6	-1.62	-11.1 - +3.4	16	0.001 ppm
Mg	44	+0.01 ppm	+1.76	0-3.6	+1.79	0.0 - +3.6	16	0.003 ppm
K	56	+0.01 ppm	+2.10	0-5.2	-0.39	-2.0 - +9.1	16	0.005 ppm
Na	48	+0.01 ppm	+0.90	0-3.1	+0.71	-5.9 - +8.1	16	0.007 ppm
Al	45	+3 ppb	+7.28	0-14.6	-1.43	-14.6 - +4.8	16	3.5 ppb
Cl	55	+2.55 µeq/l	+2.55	0-8.1	+0.24	-3.3 - +4.2	15	0.30 µeq/l
NO ₃	55	+1 µeq/l	+5.30	0-27.4	-1.31	-8.8 - +9.0	15	0.02 µeq/l
SO ₄	55	+1 µeq/l	+1.59	0-3.6	+1.63	-1.3 - +6.7	15	0.11 µeq/l
ion balance	148	+2%	+1.83	0-7.4	+3.37	-13.0 - +29.0	-	-

^aprecision = ((2 X std dev)/mean value) X 100

^bbias = ((mean value) - (reference value))/(reference value)) X 100, calculated from spike recoveries and EPA Quality Assurance samples.

PREDICTING LAKE CHEMISTRY

The lakes surveyed ranged in mean pH from 4.4 to 7.0 and varied widely with respect to all chemical variables measured (Table 3). The major water chemistry variables that are associated with acidity were not clearly related to bedrock class or soil class (Table 4). The non-sensitive bedrock classes 3 and 4 and the non-sensitive soil class NS contained only non-sensitive lakes, whereas the sensitive bedrock classes 1 and 2 and sensitive soil classes SS1 and SS2 contained lakes that spanned nearly the entire range of chemical conditions encountered. It appears that acidic lakes or lakes with low ANC are found only in sensitive bedrock and soil areas, but that these areas also contain many circumneutral or alkaline lakes as well. This is similar to the finding of an earlier study in which we surveyed the water chemistry of headwater lakes and streams in New England (Haines and Akielaszek 1983). Thus we have found that knowledge of bedrock and soil characteristics does not enable us to predict the acidity and ANC of drained lakes under 50 ha surface area any better than for all types of lakes in the northeastern U.S.

Detailed modeling of three Adirondack Mountain, New York, lakes that were located in areas with similar bedrock and soils indicated that watershed hydrologic factors related to contact time between influent water and watershed soil and till were the primary factors governing lake acidity (Chen et al. 1984; Peders and Murdoch 1985; Schofield et al. 1985). Eilers et al. (1983) found that Wisconsin lakes could be separated into three clusters controlled by hydrology: surface runoff-, groundwater-, and precipitation-dominated. Only precipitation-dominated lakes were potentially sensitive to acidification. None of our lakes were of this type. Buso et al. (1984) evaluated the ability of four models to predict the acidity status of six New Hampshire lakes and concluded that none were successful. Conversely, LaChance et al. (1985) found a strong association between bedrock lithology and water chemistry for southern Quebec lakes. We conclude that bedrock and soil composition characteristics may be useful to indicate where acidic and low ANC lakes do not occur, but are rather poor indicators of the location of individual acidic lakes. Application of models such as the ILWAS model is more likely to predict lake acidity accurately.

Seven of the lakes we surveyed had previously been surveyed for pH and in some cases alkalinity (Table 5). The mean pH in five out of seven lakes apparently increased between sampling times, but alkalinity apparently decreased over the same period. Previous water chemistry data were collected by colorimetric pH determinations and methyl orange alkalinity titrations. Colorimetric pH determinations are less precise than electrometric methods but if used properly may yield unbiased results (Haines et al. 1983). Inasmuch as the investigators did not record which method or indicator was used to collect the previous pH data, we cannot evaluate the accuracy of these data, or lack thereof. Improperly used, pH indicators can drastically change the pH of water that is low in ANC (Blakar and Digernes 1984; Buso et al. 1984; Haines et al. 1983). Moreover, methyl orange alkalinity titrations overestimate true alkalinity for waters of low ANC (Kramer and Tessier 1982), but the degree of error is

Table 3. Limnological characteristics of the 22 study lakes. Values are the arithmetic means for all surface and bottom samples and all dates combined.

Name	pH (units)	Cond. ($\mu\text{S}/\text{cm}$)	Al ($\mu\text{g}/\text{l}$)	Alk <-----	Ca	Na	Mg	K -----($\mu\text{eq}/\text{l}$)	NO ₃ -----	SO ₄ -----	Cl -----	Sum ^a ----->	Color (units)
Mud	4.4	26	393	-37	33	96	29	8	8	86	109	211	20
Cloud	4.8	21	271	-14	34	26	25	9	9	97	27	112	10
Crater	4.8	16	296	-10	13	21	17	6	4	76	18	81	0
Lost	5.4	18	163	6	67	34	24	10	6	78	22	135	30
Garcock	5.5	20	63	18	94	36	30	7	36	76	26	156	40
Horseshoe	5.6	17	51	7	70	40	28	6	23	83	26	140	30
Browns	5.8	21	123	22	73	77	29	5	2	63	49	171	40
Unnamed	5.9	17	66	23	73	34	28	11	5	45	26	135	60
Eighteen	6.0	14	42	23	47	39	27	7	12	60	24	118	10
Little Hurd	6.0	20	83	31	94	43	23	12	12	97	22	165	10
Davis	6.1	26	129	64	100	61	35	10	7	80	40	199	60
Fogg	6.1	13	33	19	46	28	44	9	4	64	18	120	10
Johnston	6.1	15	39	28	52	38	39	8	2	71	22	134	10
Knox	6.2	22	83	43	77	84	29	13	1	72	47	194	40
Little Fisher	6.3	25	128	46	123	41	60	8	3	117	14	231	40
Twin	6.3	22	24	57	102	44	28	11	3	93	23	185	10
Bear	6.4	21	60	82	102	65	26	9	3	28	25	183	60
Porter	6.4	20	40	46	75	76	26	13	1	69	32	175	20
Big Fisher	6.5	22	42	81	119	34	46	8	3	66	24	196	20
Upper Pug	6.7	25	42	94	126	70	41	13	1	73	28	233	20
Trout	6.8	28	45	90	107	74	40	8	5	83	21	222	10
Green	7.0	25	28	112	88	92	31	21	7	54	40	226	10

^aSum=Na + K + Ca + Mg + Cl + NO₃ + SO₄ + Alkalinity

not precisely known. We previously assumed a methyl orange titration endpoint pH of 4.5 and calculated a correction factor to enable comparison of methyl orange with inflection point alkalinity results, but the actual endpoint may be much lower (Kramer and Tessier 1982), or may vary depending on the reference used to determine the endpoint (unpublished data collected

Table 4. Lake chemistry contrasted by bedrock and soil acid neutralizing capacity. Means having the same superscript are not significantly different (ANOVA with Duncan's New Multiple Range Test, $p < 0.05$).

Variable		Bedrock Class [*]			
		1	2	3	4
pH (units)	mean	5.77 ^a	5.93 ^a	6.66 ^a	6.35 ^a
	range	4.41-6.45	4.80-6.76	6.26-7.03	6.02-6.67
alkalinity ($\mu\text{eq/l}$)	mean	27 ^a	32 ^a	84 ^a	57 ^a
	range	-38 - 89	-10 - 90	45 - 114	21 - 92
conductance ($\mu\text{S/cm}$)	mean	22 ^a	18 ^a	24 ^a	20 ^a
	range	17 - 37	13 - 28	22 - 25	14 - 25
calcium ($\mu\text{eq/l}$)	mean	78 ^{ab}	55 ^b	113 ^a	86 ^{ab}
	range	33 - 108	13 - 109	89 - 125	47 - 126
	N	13	4	3	2

Variable		Soil Class ^{**}		
		SS1	SS2	NS
pH (units)	mean	6.14 ^a	5.86 ^a	6.57 ^a
	range	-	4.41-7.03	6.26-6.76
alkalinity ($\mu\text{eq/l}$)	mean	39 ^a	32 ^a	76 ^a
	range	-	-38 - 114	45 - 94
conductance ($\mu\text{S/cm}$)	mean	21 ^a	20 ^a	25 ^a
	range	-	13 - 37	22 - 28
calcium ($\mu\text{eq/l}$)	mean	77 ^a	73 ^a	119 ^a
	range	-	13 - 126	109 - 125
	N	1	18	3

* Bedrock Class 1=no buffering capacity, 2= minimal buffering capacity, 3= moderate buffering capacity, 4=high buffering capacity (Hendrey et al. 1980).

** Soil Class SS1=slightly sensitive, >50%, SS2=slightly sensitive, <50%, NS=non-sensitive (McFee 1980).

Table 5. Previous versus recent pH and alkalinity measurements for seven of the study lakes. Previous data were collected by the Maine Department of Inland Fisheries and Wildlife and are single colorimetric measurements. Recent data are for the nearest date and depth from our data and are single electrometric measurements.

Lake	Historical				Recent			
	date (mo/yr)	depth m	pH	alk µeq/l	date (mo/yr)	depth m	pH	alk µeq/l
Davis	8/59	0	6.4	-	9/82	0	6.28	44
		11	5.6	-		12	6.15	193
		($\bar{x}$)	6.0			($\bar{x}$ 3 dates)	6.16	67
Green	8/60	0	7.3	280	8/82	0	6.90	124
		3	6.1	-		2	7.15	123
		($\bar{x}$)	6.7			($\bar{x}$ 3 dates)	7.03	114
Fogg	9/66	0	6.4	80	9/83	0	6.10	22
		6	6.5	60				
		($\bar{x}$)	6.5	70		($\bar{x}$ 3 dates)	6.07	20
Big Fisher	8/63	0	6.3	160	8/83	0	6.93	108
						2	7.05	111
						($\bar{x}$ 3 dates)	6.70	94
Johnston	7/60	0	6.6	-	8/83	0	6.35	21
		16	6.0	-		15	5.73	30
		($\bar{x}$)	6.3			($\bar{x}$ 3 dates)	6.10	27
Trout	8/75	0	6.6	140	9/83	0	6.78	83
						($\bar{x}$ 3 dates)	6.76	83
Twin	8/75	0	6.3	70	9/83	0	6.65	53
		21	5.5	60		15	5.90	53
		($\bar{x}$)	5.9	65		($\bar{x}$ 3 dates)	6.33	58

in our laboratory). In light of the above considerations, we place no credence in the apparent increase in pH or decline in alkalinity.

FISH SPECIES DISTRIBUTION

INTRODUCTION

The mechanisms by which natural fish populations are eliminated from low pH lakes and rivers may include: recruitment failure due to a reduction in production of viable eggs (Beamish 1976) or mortality of embryos or larvae (Gunn and Keller 1980, 1984; Leivestad et al. 1975; Lacroix 1984), mortality of early feeding fry (Lacroix et al. 1985), or mortality of adults (Frenette and Dodson 1984; Harvey 1980; Muniz and Leivestad 1980; Rosseland et al. 1980). The primary mechanism of mortality appears to be osmoregulatory failure caused by exposure to reduced pH and elevated aluminum concentrations (Wood and McDonald 1982). Other possible effects include reduction in egg viability through alteration of calcium metabolism in adult females (Beamish 1976), disruption of the hatching process (Peterson et al. 1980, 1982; Runn et al. 1977), or reduced fecundity (Frenette and Dodson 1984). Inasmuch as different species of fish vary in their tolerance to acidity (Haines 1981), these factors will tend to eliminate the acid sensitive species, with subsequent reduction in species numbers and depauperation of fish communities (Harvey 1980, 1982; Wiener 1983).

We investigated the possible effects of acidity on fish populations in Maine lakes. Our approach was to first select a set of lakes that were similar in size and hydrology but varied with respect to pH and other water chemistry factors related to acidity, and whose fish populations had not been subject to manipulations. The lakes were surveyed using a standard protocol to determine water chemistry status and fish population characteristics. We then defined the lake morphometric and chemical variables that could be responsible for structuring the observed populations.

MATERIALS AND METHODS

The lake selection process, water chemistry sampling and analysis, and fish population assessment procedures are described above. A stepwise forward multiple regression was used to determine which lake morphometric or chemical variables had the greatest influence on the number of fish species. Next, a classification analysis was used to cluster the lakes into groups with similar fish species assemblages. Before the actual clustering analysis was run, the fish abundance data was reduced by removing species that were caught in two lakes or less (Boesch 1977). Four clustering strategies were used. A one-way nonparametric analysis of variance (Kruskal-Wallis test) was used to determine which of the variables were significantly different among the groups (Zar 1984). This was followed by a nonparametric multiple comparison Tukey test to determine between which groups the significant differences occurred (Zar 1984).

RESULTS

The second sampling of six lakes with increased effort produced no additional species in the three acid lakes (Garcock Pond, Unnamed Pond, and Eighteen Pond) and a total of nine species in the three circumneutral lakes (Knox Pond, Trout Pond, and Green Lake). All species, with the exception of one, had been caught in other lakes during the 1982-1983 field season and therefore were not first encounters. Of the nine additional populations, seven consisted of only a few individuals and one consisted of 17 individuals. Only golden shiner were collected in appreciable numbers, in Trout Pond and Green lake. In addition, three species caught during the 1982-1983 survey in the three circumneutral lakes were not recaptured during the 1984 season.

A total of 2,527 fish representing 20 species and 10 families were collected (Table 6, Figure 2). Three lakes, Crater Pond (pH 4.8), Cloud Pond (pH 4.8), and Mud Pond (pH 4.4), were devoid of fish. In the remaining 19 lakes, golden shiner (*Notemigonus crysolucas*), brook trout (*Salvelinus fontinalis*), and white sucker (*Catostomus commersoni*) were the most common species and were caught in 11, 10, and 10 lakes respectively (Table 6, Figure 2). No fish species occurred in all 19 lakes but all lakes of pH 5.4 and above contained fish populations.

White sucker and sunfish (*Lepomis gibbosus* and *L. auritus*) were the most widely distributed species with respect to lake pH (Figure 2). Both occurred over the entire range of pH in lakes containing fish. This wide distribution was closely followed by brook trout (Figure 2). Of the species caught in five or more lakes, creek chub (*Semotilus atromaculatus*) occurred only in those waters with pH 5.9 and above, and common shiner (*Notropis cornutus*) in those of pH 6.0 and above (Figure 2).

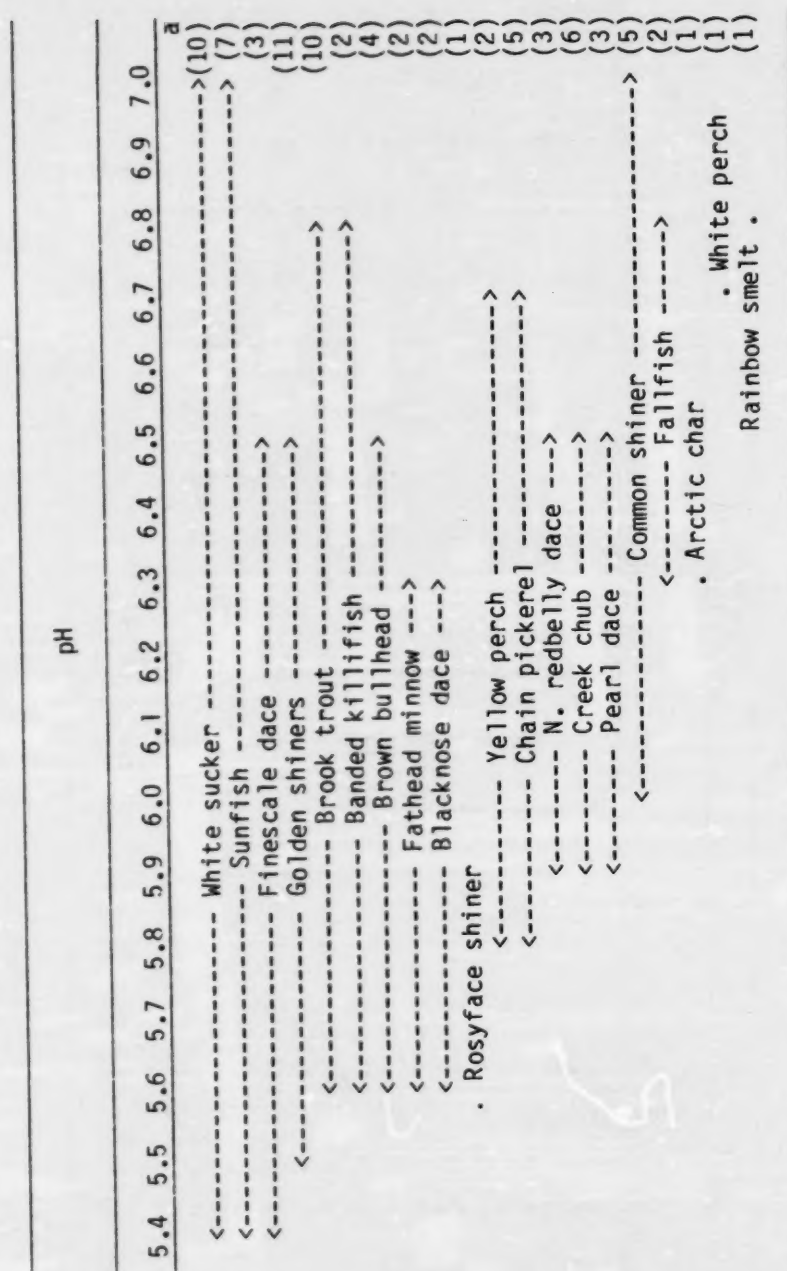
A stepwise forward multiple regression of the nine morphological and chemical variables on number of fish species in the 22 study lakes resulted in a maximum r^2 of 0.86 for a six factor model (Table 7). However, three variables (divalent cation concentration, surface area, and maximum depth) accounted for 96% of this total. A stepwise forward multiple regression of the same variables on number of fish species in the 19 fish supporting lakes resulted in a r^2 of 0.68 for a four factor model (Table 7). Again, three variables (surface area, divalent cation concentration, and maximum depth) accounted for most of this total.

Fager's similarly coefficient together with the single linkage clustering strategy (Boesch 1977) produced the dendrogram shown in Figure 3. When the species assemblages associated with each cluster were compared, a distinct pattern became apparent (Figure 4). The two bottom clusters in Figure 3 (from Davis Pond to Browns Pond) were typified by lakes that contained few species ($\bar{X} = 2.6$, range 1-4). The most common fish species in this group were the golden shiner and brook trout, although only two lakes contained both. With the exception of the ubiquitous golden shiner, and three lakes containing one species of dace or minnow each (Twin Lake, Fogg Pond, and Trout Pond), no cyprinids, sunfish, or white suckers were present in these lakes (Figure 4). The one exception was Bear Pond which contained common shiner and creek chub. Bear Pond was arbitrarily assigned to the top two clusters (Figure 3). Based on the general depauperate nature of the fish assemblages in the remaining eight lakes, the two bottom clusters were combined into one group, termed depauperate

Table 6. Number of individuals of each fish species collected from each lake (1932-83 data only). Lake numbers are as described in Table 1.

Species	Lake Number (pH in parentheses)																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	(4.4)	(4.8)	(4.8)	(5.4)	(5.5)	(5.6)	(5.8)	(5.9)	(6.0)	(6.0)	(6.1)	(6.1)	(6.1)	(6.2)	(6.3)	(6.3)	(6.4)	(6.4)	(6.5)	(6.7)	(6.8)	(7.0)
Brook trout	0	0	0	0	0	1	0	0	0	7	1	28	31	0	19	13	10	0	11	0	38	0
Arctic char	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Rainbow smelt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
Chain pickerel	0	0	0	0	0	0	10	0	8	0	9	0	0	5	0	0	0	0	0	3	0	0
Golden shiner	0	0	0	0	273	4	11	37	6	6	0	0	1	0	0	5	29	6	7	0	0	0
Common shiner	0	0	0	0	0	0	0	0	0	73	0	0	0	0	0	0	4	25	11	0	0	1
Rosyface shiner	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N. redbelly dace	0	0	0	0	0	0	0	2	0	0	0	0	0	0	69	0	0	0	49	0	0	0
Finescale dace	0	0	0	27	0	0	0	0	0	0	0	0	0	0	61	0	0	0	24	0	0	0
Blacknose dace	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	84	0	0	0	0	0	0
Pearl dace	0	0	0	0	0	0	0	19	0	0	0	40	0	0	0	0	0	0	5	0	0	0
Fathead minnow	0	0	0	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
Creek chub	0	0	0	0	0	0	0	121	0	7	0	0	0	0	6	0	119	10	62	0	14	0
Fallfish	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	28	129	1	0	34
White sucker	0	0	0	0	0	81	0	72	0	63	0	0	0	0	76	0	0	0	1	0	0	0
Brown bullhead	0	0	0	0	0	86	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Banded killifish	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	114	0	24	0	65
Sunfish	0	0	0	0	0	3	0	0	0	2	0	0	0	50	0	0	0	0	0	5	0	0
White perch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	0	0
Yellow perch	0	0	0	0	0	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	83	273	185	88	251	14	158	10	68	32	58	324	103	162	183	299	78	58	100
(No. of Species)	(0)	(0)	(0)	(3)	(1)	(9)	(4)	(5)	(2)	(6)	(2)	(2)	(2)	(3)	(8)	(4)	(4)	(5)	(9)	(5)	(4)	(3)

Figure 2. Distribution of fish species by lake pH.



^aFrequency of occurrence

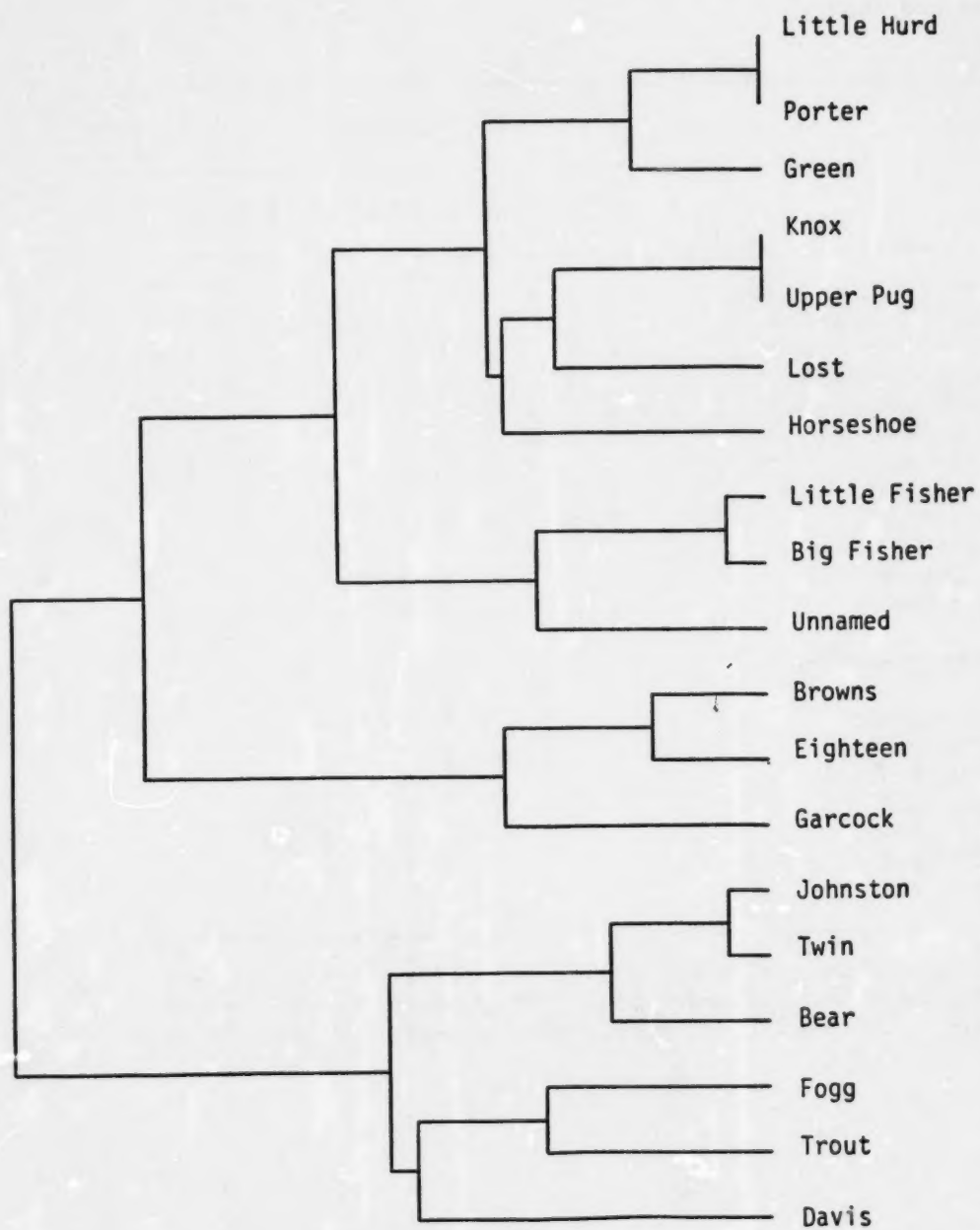


Figure 3. Cluster analysis of fish species assemblages for the 19 lakes that yielded fish.

Figure 4. Lake group and fish species occurrence based on cluster analysis. Only fish species caught in three or more lakes are shown.

	Fish Species*										
	CS	CC	SF	WS	GS	BT	BB	CP	PD	RD	FD
<u>Cyprinid-Sucker Lakes</u>											
Little Fisher Pond		X		X		X	X			X	X
Big Fisher Pond	X	X		X	X	X	X		X	X	X
Unnamed Pond		X		X	X				X	X	
Green Lake	X		X	X							
Knox Pond			X	X				X			
Lost Pond			X	X							X
Little Hurd Pond	X	X	X	X	X	X					
Porter Lake	X	X	X	X	X						
Upper Pug Lake			X	X				X			
Horseshoe Pond			X	X	X	X	X				
Bear Pond	X	X			X	X					
<u>Depauperate Lakes</u>											
Garcock Pond					X						
Browns Pond					X		X	X			
Eighteen Pond					X			X			
Johnston Pond					X	X					
Fogg Pond						X			X		
Davis Pond						X		X			
Twin Lake					X	X					
Trout Pond						X					

* CS=common shiner, CC=creek chub, SF=sunfish, WS=white sucker, GS=golden shiner, BT=brook trout, BB=brown bullhead, CP=chain pickerel, PD=pearl dace, RD=n. redbelly dace, FD=finescale dace

Table 7. Stepwise forward multiple regression analyses with number of fish species as the dependent variable and lake morphometric and chemical factors as the independent variables.

Step	Variables	r^2	p
All Lakes			
1	Divalent cation concentration	0.58	0.0001
2	Surface area	0.74	0.0001
3	Maximum depth	0.80	0.0001
4	Aluminum concentration	0.83	0.0001
5	Drainage area	0.84	0.0001
6	Total ionic strength	0.86	0.0001
Lakes that support fish			
1	Surface area	0.27	0.021
2	Divalent cation concentration	0.47	0.006
3	Maximum depth	0.60	0.003
4	Total ionic strength	0.68	0.002

lakes, for further analyses. Most of the lakes in this category were characterized by being relatively deep and lacking extensive inshore areas. Most of them had little or no aquatic vegetation.

All lakes in the top two clusters in Figure 3 (from Unnamed Pond to Little Hurd Pond) contained sunfish, white suckers, cyprinids, or a combination of the three (Figure 4). As a result, the two top clusters were combined into one group, termed the cyprinid-sucker lakes. The number of species in this group ranged from three to nine ($\bar{X} = 5.5$). The cyprinid-sucker lakes tended to be shallow or have extensive shallow areas. Emergent and submergent vegetation was present in all of them. A third group, not shown in Figure 3, consisted of the fishless lakes.

The Kruskal-Wallis test indicated that pH, divalent cation concentration, aluminum concentration, and number of fish species per lake were significantly different among the three groups just described. The nonparametric Tukey multiple comparison tests for these variables showed that the fishless lakes differed from the other lakes in respect to their water chemistry (Table 8). The depauperate and cyprinid-sucker lake groups differed between themselves in respect to the number of fish species but not in respect to any of the measured lake morphological or water chemistry variables (Table 8).

DISCUSSION

The results of the 1984 fish collections from six lakes suggests that the standard fish collection protocol used did not systematically miss certain species, although some unknown factors seem to influence fish movement from one year to another. Despite a doubling in sampling effort, three species caught during the 1982-1983 survey seasons in the three

Table 8. Results of Tukey's nonparametric multiple comparison analysis for fish species groups with respect to the significant variables identified by Kruskal-Wallis analysis. Groups connected by a solid line are not significantly different ($p < 0.05$). Groups connected by a dashed line are marginally different ($0.05 < p < 0.10$).

Variable	Group ^a		
	3	1	2
Number of fish species		1	2
Aluminum	1	2	3
pH	3	2	1
Divalent cations	3	2	1

^a group 1 = depauperate lakes, group 2 = cyprinid-sucker lakes, group 3 = fishless lakes

circumneutral lakes were not recaptured during the 1984 sampling season. Of the nine species collected during the second survey only one was caught in more than one lake: golden shiner in Green Lake and Trout Pond. The eight remaining species were only caught once. Moreover, only two of the nine species (golden shiner and northern redbelly dace *Phoxinus eos*) were caught in any appreciable numbers (136 and 17 respectively). The remaining seven species were represented by only a few fish and were apparently quite rare in these lakes. The golden shiner populations in Green Lake and Trout Pond were the only important populations that were missed. This species moves in schools in open lake areas (Hall et al. 1979; Scott and Crossman 1973), which could have been missed by our collecting gear. This has also occurred in lakes in the Adirondack Mountain region of New York. For example, Woodhull Lake was surveyed five times between 1931 and 1981. The collections contained six to eight fish species, of which four were present in every collection. Golden shiner appeared in only two of the collections and were very abundant in one of these (1978), indicating that the species was probably present for a long period (FIN database, J. Baker, North Carolina State University, personal communication).

Of the fish species collected in five or more lakes, white sucker and sunfish were collected at the lowest pH (5.4), closely followed by golden shiner (5.5) and brook trout (5.6). Creek chub (pH 5.9) and common shiner (6.0) were the least acid tolerant, although the differences were small. Brook trout have been widely reported to occur in acidic lakes (Altshuler and Linthurst 1984). In a survey of Vermont lakes similar to the ones surveyed by us, Langdon (1983) collected brook trout from a lake of pH 4.67. Harvey (1980) found white sucker reproducing in lakes of pH 5.0. Langdon (1983, 1984) collected this species at pH 5.48, and Schindler et al. (1985) found that reproduction ceased at about pH 5.1 in a lake

acidification experiment. Golden shiner were collected at pH 5.1 by Harvey (1980) and Langdon (1983, 1984). Of the two less acid tolerant species, common shiner were not collected below pH 5.6 by Harvey (1980), and creek chub were not collected below pH 5.8 by Langdon (1983, 1984). Harvey (1980) and Rahel and Magnuson (1983) reported that common shiner were not present in lakes of pH below 5.7 and 6.2 respectively. The observed distribution of creek chub and common shiner in our survey may be a result of their greater sensitivity to lower pH water. The fish distribution in the 22 lakes therefore confirms the observation made by other researchers: the acid-sensitive species, which include most cyprinidae, tend to be restricted to high pH lakes, while the more resistant species can survive in lakes of lower pH.

The multiple regression analysis indicated that lake divalent cation concentration accounted for most of the variation in number of fish species when all 22 lakes were included in the data set. Wright and Snekvik (1978) showed the importance of divalent cations (particularly calcium) in determining brown trout (*Salmo trutta*) population status in 700 Norwegian lakes. Moreover, Wright and Snekvik (1978) reported that fishless lakes predominated at low pH ($\text{pH} < 4.5$) and low calcium concentrations ($\text{Ca} < 20 \mu\text{eq/l}$). The average calcium concentration in the three acidic fishless lakes was $27 \mu\text{eq/l}$ versus $78 \mu\text{eq/l}$ and $92 \mu\text{eq/l}$ in the depauperate and cyprinid-sucker lakes, respectively. Water chemistry variables related to acidity (i.e., pH, aluminum) appear to be important in determining the presence or absence of fish (Schofield 1977; Baker and Schofield 1980; Driscoll et al. 1980). Both these variables differed significantly between the fishless lakes and the lakes that support fish. Low pH levels and aluminum concentrations as low as $100 \mu\text{g/l}$ have been shown to be toxic to certain fish (Muniz and Leivestad 1980; Schofield and Trojnar 1980). The average aluminum concentration for the three fishless lakes was $320 \mu\text{g/l}$, versus $70 \mu\text{g/l}$ for the remaining lakes. We measured only total aluminum, which includes the inorganic monomeric form that is thought to be the most toxic to fish (Driscoll et al. 1980). Color (dissolved organic carbon) levels are very low in the fishless lakes, and recent measurements indicate over half of the total aluminum concentration is labile monomeric (Haines, unpublished data).

For lakes supporting fish, the multiple regression analysis indicated that surface area, divalent cation concentration, and maximum depth accounted for most of the variability in the number of fish species among the lakes (Table 8). The model was a poor predictor as it accounted for only two thirds of the total variability. The influence of surface area on number of fish species has been noted before (Harvey 1975, 1978; Rahel and Magnuson 1980; Tonn and Magnuson 1982; Eadie and Keast 1984) and is a problem because it may be difficult to distinguish the influence that surface area has on species number from that of other variables. Both maximum depth and surface area probably are measures related to habitat diversity.

The processes responsible for producing the species assemblages described in the lakes supporting fish are not known. The hypothesis of unequal accessibility, which could result in different species assemblages (Rubec 1975), can be rejected. All our lakes were drained lakes, with permanent outlets. Further, lake elevation was not a significant variable in determining fish species numbers. The lack of minnows and sunfish in the depauperate lakes could be due to the fact that most of these lakes

tended to be deep, unproductive, and devoid of inshore areas. Extensive shallow and weedy areas, habitats preferred by both cyprinids and centrarchids (Moyle 1973; Werner et al. 1978), were lacking. The paucity of species in these lakes could also be a reflection of the lack of structural heterogeneity and adequate food supplies (Menge and Sutherland 1976; Werner et al. 1978; Eadie and Keast 1984; Rahel 1984). It is unlikely that the absence of both cyprinids and sunfish from the depauperate lakes is due to some biotic interaction, such as predation. Tonn and Magnuson (1982) noted the absence of cyprinids from small Wisconsin lakes with suitable habitats and attributed this to the presence of large piscivores such as largemouth bass (Micropterus salmoides) and northern pike (Esox lucius). In the eight depauperate lakes of this study, both the chain pickerel (Esox niger) and brook trout are piscivorous. But chain pickerel were only caught in three of those eight lakes and only small numbers. Brook trout occurred in 5 of 11 cyprinid-sucker lakes and chain pickerel in an additional two, all of which contained several species of minnows and sunfish.

Finally, although no strong relationship could be established between number of fish species and water chemistry in lakes that support fish populations, it is not implied that such a relationship does not exist. It was shown that certain minnow species may become affected when lake pH reaches below 6. The reason a more pronounced influence was not detected in this study is probably because only three of the 19 lakes that support fish had a pH below 5.8.

FISH TRACE ELEMENTS AND IONS

INTRODUCTION

The primary mechanism by which individual fish are affected by environmental acidification is through disruption of osmoregulation (Wood and McDonald 1982). Both elevated hydrogen ion and aquo aluminum concentration, singly and in combination, reduce the influx of ions such as sodium and chloride, probably through disruption of active uptake mechanisms (Brown 1983; McDonald 1983; McWilliams 1980; Wood and McDonald 1982). The toxic effect is reduced by increasing concentrations of divalent cations (primarily calcium) in the external medium (Brown 1982; McDonald 1983; McWilliams 1982; Wood and McDonald 1982). Fish exposed to reduced pH and calcium concentrations in laboratory experiments lose a sufficient quantity of ions so that plasma (McDonald and Wood 1981; Hobe et al. 1984) or plasma and whole body (Fraser and Harvey 1984) concentrations of sodium and chloride are reduced. Fraser and Harvey (1984) suggested that whole body ion concentrations would be a better field measurement of osmoregulatory stress because handling causes sufficient stress to result in massive ion losses in fish.

Fish from acidic surface waters often contain elevated concentrations of toxic trace metals as compared to the same species from circumneutral pH or high alkalinity waters. The metals most frequently reported in elevated concentrations in fish are mercury, cadmium, and lead (Akielaszek and Haines 1981; Jernelev 1980; Suns et al. 1980; Wiener 1983). These and other metals (e.g., zinc) are presumed to be mobilized by fossil fuel combustion and industrial processes, atmospherically transported, and deposited to lakes along with hydrogen ion and sulfate (Battarbee et al. 1985; Evans and Rigler 1985; Galloway and Likens 1979; Norton et al. 1981; Wolff and Peel 1985). Acidification may also increase the concentration or availability of naturally occurring trace metals, such as aluminum.

We analyzed selected white suckers from four lakes of varying pH for whole body trace metals and major cations. Fish metal and ion concentrations were compared to lake chemistry variables and to fish size.

MATERIALS AND METHODS

White sucker, the most widely distributed fish species in our lakes, was selected for these analyses. Four lakes (Green, Lost, Horseshoe, Unnamed) spanned the pH range of lakes in our data set that contained fish (Table 9). Five fish of age 3 and of similar size were selected from each lake (Table 10). The gastrointestinal tract was removed to reduce variation in trace element content. Gastrointestinal tracts of fish, especially of bottom feeding species, contain high and variable concentrations of some trace metals, especially aluminum, because of unincorporated gut contents (Brumbaugh and Kane 1985). In addition, eight vertebrae were removed from each fish for analysis of bone strength and

Table 9. Mean and standard error of chemical variables for the four lakes from which fish were analyzed for trace elements, bone composition, and gill histology. Means with the same superscript letter are not significantly different (ANOVA with Duncans New Multiple Range Test, $p < 0.05$).

Variable	Green	Unnamed	Horseshoe	Lost
pH	6.99+0.09 ^a	5.88+0.09 ^b	5.64+0.02 ^{bc}	5.42+0.04 ^c
(unit)				
alkalinity	108+2.7 ^a	23+1.9 ^b	7+0.5 ^c	5+0.8 ^c
($\mu\text{eq/l}$)				
conductance	24+0.3 ^a	17+0.6 ^b	16+0.3 ^b	19+0.8 ^b
($\mu\text{S/cm}^2$)				
color	10+0 ^a	64+2.8 ^b	24+1.5 ^c	35+1.2 ^d
(Pt/Co unit)				
calcium	85+2.0 ^a	71+2.5 ^b	70+1.5 ^b	70+1.5 ^b
($\mu\text{eq/l}$)				
magnesium	30+0.8 ^a	28+1.5 ^a	28+0.5 ^a	24+1.1 ^b
($\mu\text{eq/l}$)				
aluminum	28+3.4 ^a	66+5.3 ^b	51+2.5 ^b	163+11.3 ^c
($\mu\text{g/l}$)				

Table 10. Differences in trace element concentrations of whole eviscerated white suckers from four Maine lakes. Values are mean concentrations with standard errors from replicate measurements of five fish per lake. Trace element concentrations are expressed as $\mu\text{g/g}$ dry weight. Means with the same superscript letter are not significantly different (ANOVA with Duncan's New Multiple Range Test, $p < 0.05$).

Variable	Lake			
	Green	Lost	Unnamed	Horseshoe
Al	2.45+0.506 ^a	3.18+0.298 ^a	6.09+3.060 ^a	4.01+0.524 ^a
Cd	0.03+0.0004 ^a	0.12+0.0105 ^b	0.03+0.0023 ^a	0.07+0.0033 ^c
Hg	0.14+0.007 ^a	0.38+0.008 ^b	0.13+0.003 ^a	0.36+0.032 ^b
Pb	0.66+0.056 ^a	1.55+0.078 ^b	0.58+0.036 ^a	2.32+0.139 ^c
Zn	85.9+2.51 ^a	69.6+0.86 ^b	58.6+1.14 ^c	92.0+1.78 ^d
Na	3215+92 ^a	3173+84 ^a	2796+88 ^b	4190+73 ^c
K	10615+250 ^a	10390+171 ^a	10818+183 ^a	14370+257 ^b
length	334+3.4	306+2.8	308+3.1	332+8.8
(mm)				
weight	403+10.7	333+13.3	349+15.3	361+28.8
(g)				

biochemical composition. The remainder of each fish was chopped into small sections with a large knife, then blended for 20 min. in a polypropylene container fitted with a teflon blade assembly. All equipment was washed in the following sequence between samples: detergent and tap water, 10% HCl, ultrapure water, distilled acetone. Approximately 100 g of homogenate was lyophilized and then dry blended for 10 min. Samples were stored in polyethylene bags in a dessicator until analyzed. Duplicate 0.5 g subsamples of dry homogenate were digested in 3 ml of 16 M HNO₃ in sealed pressure reaction tubes heated to 70 C for 48 hr. Digestate was diluted to 50.0 ml with 1% HCl.

Aluminum, cadmium, and lead were analyzed by graphite furnace atomic absorption spectrophotometry (AAS), aluminum by four point standard additions, and cadmium and lead by direct calibration with aqueous standards. Mercury was determined by automated cold vapor AAS, and zinc by routine flame AAS. Sodium and potassium were determined by flame atomic emission. Detection limits ($\mu\text{g/g}$ dry weight) were as follows: Al=0.2, Cd=0.005, Hg=0.01, Pb=0.2, Zn=2.0, Na=100, K=200. The quality assurance program involved analysis of NBS certified reference materials, in-house reference materials, and spiked samples. Differences in fish trace element concentrations among lakes were tested with analysis of variance. For those elements that differed significantly ($p < 0.05$), stepwise forward multiple regression was used to test the relationship of fish trace element concentration to fish size and lake physical and chemical factors.

RESULTS

The mean and range of recovery of trace metals from reference materials were as follows: Al=100% (100%), Cd=100.1% (100-103%), Hg=101.5% (100-110%), Pb=93.4% (77-100%), Zn=99.9% (99-100%), Na=100% (100%), K=97.3% (94-101%). The concentrations of aluminum in white suckers were not significantly different among the four lakes, but all other elements were different (ANOVA, $p < 0.05$). The differences among lakes were not consistent for the different elements, however (Table 10), and relationships to lake chemical variables (Table 9) were not immediately apparent. Stepwise multiple regression analysis was performed using element concentrations in fish tissue as dependent variables, and water quality variables, log transformed water quality variables, and fish length and weight as independent variables (Table 11). Again, no factors were significantly related to fish aluminum, sodium, or potassium concentrations. Concentrations of the other elements were significantly related to chemical variables, but not to fish length or weight. The most important lake chemical variables were generally the log of alkalinity and the sum of calcium and magnesium. Color was the most important variable for fish zinc concentration.

Table 11. Stepwise multiple regression analysis of fish trace metal content versus lake chemical factors. The best one and two variable models are presented for each metal.

Fish Tissue Element	Chemical Variable	r ²	p	Regression Equation
Cd	Ca+Mg	0.48	0.0003	Cd=0.27 - 0.11 Ca+Mg
	Ca+Mg + Al	0.65	0.0001	Cd=0.17 - 0.07 Ca+Mg + 0.0003 Al
Hg	log alk	0.44	0.0007	Hg=0.41 - 0.13 lalk
	log alk + color	0.61	0.0001	Hg=0.53 - 0.16 lalk - 0.002 color
Pb	log alk	0.58	0.0001	Pb=2.54 - 1.0 lalk
	log alk + color	0.72	0.0001	Pb=3.21 - 1.17 lalk - 0.01 color
Zn	color	0.42	0.005	Zn=91.1 - 0.44 color
	color + log Mg	0.53	0.005	Zn=122.2 + 66.4 log Mg - 0.40 color

DISCUSSION

Several other authors have reported that the concentrations of various trace metals in fish tissues were correlated with water pH. For example, mercury was correlated with lake pH for northern pike (Jernelov 1980; McFarlane and Franzin 1980), walleye *Stizostedion vitreum vitreum* (Wiener 1983), yellow perch *Perca flavescens* (Suns et al. 1980), pumpkinseed (Wren and MacCrimmon 1983), and white sucker (McFarlane and Franzin 1980). Cadmium was correlated with lake pH for bluegill *Lepomis macrochirus* (Wiener 1983) and white sucker (McFarlane and Franzin 1980), lead in bluegill (Wiener 1983), and copper in northern pike and white sucker (McFarlane and Franzin 1980). Conversely, Fjordingstad and Nilssen (1983) failed to find such a relationship for these and other metals in several fish species from Norwegian lakes. Wright et al. (1985) found that cadmium uptake was inversely related to water calcium content for striped bass *Morone saxatilis*, and McFarlane and Franzin (1980) found that concentrations of cadmium, copper, and mercury in livers of northern pike and white sucker were lower in lakes that were higher in calcium content. Our findings are similar. Inasmuch as divalent cations, especially calcium, are important in mediating ion transfer across fish gills (McDonald 1983), we believe that this factor can also affect uptake of trace metals.

Mercury is different from many other trace metals because the primary form in fish, methyl mercury, is an organic compound. This may explain the relationship between mercury and color (a measure of dissolved organic carbon) in our lakes. However, color was also an important variable for fish lead concentration and was the most important variable for fish zinc concentration. The reason for these relationships is unknown. We failed to find any consistent relationship between fish size, expressed as either length or weight, and trace metal content. In a previous study we found such a relationship for mercury in several fish species from remote lakes

in northern Maine (Akielaszek and Haines 1981), as did Jernelov (1980) for northern pike and Wiener (1983) for walleye. However, Suns et al. (1980) failed to find such a relationship for mercury in yellow perch.

Despite the frequent reports of net efflux of sodium and potassium from fish in acidic water (Fraser and Harvey 1984; McDonald 1983; McDonald et al. 1980; McWilliams 1982; Wood and McDonald 1982) we failed to find evidence of depletion of body reserves of these elements. Although there were significant differences in fish concentrations among lakes, these differences were not significantly related to any physical or chemical variable we measured. Lyons (1982) noted that plasma sodium concentrations were similar in yellow perch from an acidic and an alkaline lake, and McWilliams (1980) found that sodium uptake in wild brown trout from an acid river in Norway was less affected by reduced pH than that of hatchery fish. It is possible that fish adapt to gradually reduced lake pH through genetic selection and are able to maintain relatively normal body ion concentrations over a wide range in lake pH through osmotic and ionic regulation. When the homeostatic limit is reached, catastrophic ion losses may occur.

BONE STRENGTH AND COMPOSITION

INTRODUCTION

Mechanical properties of bone in all animals depend on the composition and density of the bone material. Exposure to a variety of organic and inorganic materials may disrupt normal bone development in fish by affecting either or both of these factors (Bengtsson 1975; Hamilton et al. 1981b; Holcombe et al. 1976; Mauck et al. 1978; Mehrle and Mayer 1975; Mehrle et al. 1982). Exposure to reduced pH and elevated aluminum or heavy metal concentrations may interfere with bone development through reduced calcium deposition or interference with the biochemical processes of bone development. We therefore investigated the relationship between mechanical properties and composition of bone of white suckers from lakes of varying pH.

MATERIALS AND METHODS

White suckers were selected for bone development analysis, as they were for trace metal analysis, because they occurred over the widest pH range of any species collected, and were generally present in sufficient abundance to provide an adequate quantity of testing material. Eleven to 15 fish of similar size from each of four lakes (Green, Lost, Unnamed, Horseshoe) were selected for analysis, five of which were also used for trace element analysis. Whole fish were X-rayed and the radiographs examined for deformed vertebrae. Eight vertebrae were dissected from each fish and subjected to mechanical testing following the methods of Hamilton et al. (1981b). Following mechanical testing, vertebrae were analyzed for collagen by the method of Flanagan and Nichols (1962), hydroxyproline (Woessner 1961), proline (Troll and Lindsley 1955), calcium (Gitelman 1967), and phosphorus (Fiske and Subbarow 1925). Vertebral density was calculated as mean dry weight per mean volume of vertebra.

RESULTS

Visual evaluation of radiographs revealed no deformed vertebrae in any fish. However mechanical properties of bone varied significantly among locations (ANOVA, $p < 0.05$). Rupture, elastic limit, and modulus of elasticity were significantly higher in Green Lake fish than in fish from the remaining three lakes (Table 12). Similarly, proline and proline/hydroxyproline ratio were significantly higher in fish from Green Lake. Bone calcium was slightly higher in Green Lake fish than in fish from either Unnamed or Lost ponds, but fish from Horseshoe Pond had higher bone calcium than did those from Green Lake. Water quality of Green Lake

Table 12. Bone biochemical and mechanical properties for white sucker from four Maine lakes. Values are means with standard errors. Means with the same superscript letter are not significantly different (ANOVA with Duncan's New Multiple Range Test, $p < 0.05$).

Characteristics	Locations			
	Green Lake	Horseshoe Pond	Unnamed Pond	Lost Pond
Biochemical composition				
Collagen (mg/g bone)	277+9 ^a	285+11 ^b	275+8 ^a	281+10 ^{ab}
Proline (mg/g collagen)	167.8+18.7 ^a	139.1+9.5 ^b	145.6+18.7 ^b	135.6+18.9 ^b
Hydroxyproline (mg/g collagen)	97.3+6.7 ^a	92.8+6.4 ^a	94.1+8.7 ^a	93.6+6.0 ^b
Proline/hydroxyproline ratio	1.73+0.21 ^a	1.50+0.06 ^b	1.57+0.22 ^b	1.45+0.18 ^b
Calcium (mg/g bone)	301.6+9.4 ^{ab}	306.0+10.4 ^a	294.7+13.6 ^b	294.3+11.1 ^b
Phosphorus (mg/g bone)	105.0+5.4 ^a	108.4+5.2 ^a	103.2+4.6 ^a	108.3+6.8 ^a
Calcium/phosphorus ratio	2.88+0.15 ^a	2.82+0.11 ^a	2.86+0.18 ^a	2.72+0.20 ^a
Ca + P/collagen ratio	1.47+0.05 ^a	1.45+0.06 ^a	1.44+0.06 ^a	1.43+0.08 ^a
Density (mg/cm ³)	475+27 ^a	473+52 ^a	477+85 ^a	465+31 ^a
Mechanical properties²				
Rupture (g-force/mm ²)	1556+177 ^a	1209+206 ^b	1248+173 ^b	1116+153 ^b
Elastic limit (g-force/mm ²)	901+124 ^a	633+98 ^b	686+119 ^b	623+81 ^b
Strain (%)	22.8+3.7 ^a	25.6+5.0 ^a	25.6+5.6 ^a	25.4+7.0 ^a
Modulus of elasticity (kg-force/mm ²)	14.8+2.0 ^a	11.7+1.5 ^b	11.8+1.8 ^b	10.6+2.1 ^b
Toughness (g-mm/mm ³)	235+58 ^{ac}	207+63 ^c	211+65 ^{ab}	191+73 ^b
Fish				
Total length (mm)	331.5+18.3	339.6+21.1	318.6+18.7	309.9+17.1
Weight (g)	387.9+53.0	379.3+64.8	371.1+71.1	336.3+54.7
Number	15	11	13	13
Lake pH (units)	7.00+0.12	5.67+0.03	5.72+0.21	5.44+0.06

varied significantly from that of the remaining three lakes with respect to pH, alkalinity, specific conductance, color, calcium, and aluminum. The three remaining lakes were not different with respect to specific conductance, alkalinity, and calcium (Table 9).

DISCUSSION

Skeletal deformities were not observed in white suckers from the four lakes included in this investigation, although such deformities have been reported for this species from acidic lakes in Ontario (Beamish 1976; Fraser and Harvey 1982). Deformities have also been produced in this species by exposure to reduced pH in laboratory experiments (Beamish 1972; Trojnar 1977). A possible causal mechanism is the demineralization of the skeleton to maintain calcium balance for osmoregulatory and reproductive needs. Fraser and Harvey (1982) reported decreased calcium concentrations in vertebrae of white suckers from three acidified lakes with pH < 5.36. Nelson (1982) showed that rainbow trout embryos exposed to pH 4.3 had reduced ossification of the skeleton. However, Lockhart and Lutz (1976) found no significant differences in calcium concentrations in rib, muscle, skin, or scales of white suckers from the same lake where Beamish (1976) and Fraser and Harvey (1982) found skeletal deformities. However Fraser and Harvey (1982) reported that ribs and opercula were not decalcified whereas centra of vertebrae were. This suggests that the calcium dynamics of different bone types may differ. Our results demonstrate a trend of reduction in bone calcium in fish from acidic lakes, but the differences were not consistent. Nonetheless, this reduction in calcium may be responsible in part for the altered mechanical properties of bone from these fish.

We have demonstrated a significant reduction in proline concentrations in fish from the three more acidic lakes. There was also a nonsignificant trend of reduction in hydroxyproline concentrations in these fish. Hamilton et al. (1981a) found that hydroxyproline concentrations in channel catfish (*Ictalurus punctatus*) exposed to toxaphene were elevated in short-term exposure but decreased following longer exposure. This is the first report of altered amino acid metabolism in fish exposed to reduced pH, and may also be partly responsible for the impaired bone mechanical properties in these fish.

GILL HISTOLOGY

INTRODUCTION

Decreased environmental pH is physiologically stressful to freshwater fish. Reported effects include ionoregulatory disturbances (McWilliams 1980; McDonald and Wood 1981), interference with acid base regulation (Neville 1979; Packer 1979), and decreased oxygen uptake, resulting in anoxia (Packer and Dunson 1972; Ultsch et al. 1980). All of these functions are integrated in the gill. As McDonald (1983) has suggested, many of the effects of low pH on fishes can be better understood by investigating the interference of low pH with normal gill function. Although many investigations have focused on the whole animal or organ levels of effects, little work has been done on the histology of gill tissue from acid stressed fish.

Gill epithelia consists of three major cell types: respiratory epithelial cells, mucous cells, and chloride cells (Sardet et al. 1979). Mucous cells are secretory; normally a thin layer of their product coats the lamellar surface, but in some instances this becomes thickened and may interfere with gill function (Westfall 1945). Several functions have been proposed for the mucus layer (McDonald 1983), including protection of the epithelium, and maintenance of an appropriate microenvironment at the gill surface. With regard to the latter, mucus possesses considerable calcium binding ability (Marshall 1978). This may be particularly important in low pH - low calcium environments, as calcium is known to affect epithelial permeability (Evans 1985; Hunn 1985), and fish in low pH waters experience ion losses presumably due to increased gill permeability (McDonald 1983). Examination of gill epithelia with attention to possible alterations in mucous cell size or number with chronic acid stress might therefore produce information on how fish adapt to such stress.

In early studies, Daye and Garside (1976, 1980) reported on histopathological effects of low pH in brook trout and Atlantic salmon (Salmo salar), and noted separation of epithelial layers in gill lamellae and hypertrophy of mucous cells. Jagoe and Haines (1983) noted severe epithelial damage, including loss of cell surface microridges, in Sunapee trout (Salvelinus alpinus) exposed to acutely lethal pH. Laurent et al. (1985) observed no significant changes in mucous cell numbers with varying calcium concentrations in laboratory experiments. However, they did note that the gills of salmonids collected from hard water environments had fewer mucous cells than those collected from a soft water hatchery. Similarly, Mattheij and Stroband (1971) observed a great decrease in mucous cell numbers in the skin of Cichlasoma biocellatum kept in salt water. Zuchelkowski et al. (1981) reported hyperplasia of mucous cells in the skin of brown bullhead (Ictalurus nebulosus) exposed to low pH in static water bioassays. All of the above were laboratory studies, and may not accurately reflect the conditions in natural populations. Therefore, gill tissues collected from fish from high and low pH lakes were examined to detect histological differences among natural populations.

MATERIAL AND METHODS

Gills from white sucker (*Catostomus commersoni*) were excised for histological examination within 30 min. after fish were collected. Only live individuals, or those judged freshly dead on the basis of gill appearance were selected. The first two gill arches from both the left and the right sides were dissected free and immediately placed in 0.1 M Phosphate buffer, pH 7.4, (tonicity adjusted with sucrose), containing 1% gluteraldehyde and 4% formaldehyde (McDowell 1978). Tissues were stored in the fixative and refrigerated until examined. Specimens from Green Lake and Unnamed Pond, total length 26 to 41 cm, were chosen for detailed study.

For scanning electron microscopy (SEM), tissues stored in fixative were first thoroughly washed in isotonic 0.1 M phosphate buffer, and then dehydrated through a graded ethanol series to 100% ethanol. Following critical point drying under liquid carbon dioxide, they were mounted on stubs with conducting silver paste, coated with a gold-palladium mixture to a thickness of 250 nm, and viewed using an AMR 1000A scanning electron microscope at 5 KV.

For morphometric analysis, individual filaments were selected near the bend of the second gill arch, dissected free, and thoroughly washed in isotonic 0.1 M phosphate buffer. Tissues were postfixed in a mixture of 0.4% osmium tetroxide, 2.4% zinc chloride and 2.4% potassium iodide (Garcia-Romeu and Masoni 1970). Following dehydration through a graded ethanol series to 95% ethanol, the filaments were soaked for at least 18 hours in a mixture of glycol methacrylate (Hartung Associates), polyethylene glycol 400 (Fisher Scientific) and benzoyl peroxide (Fisher Scientific), and then embedded in methacrylate according to the method of Pandolph and Poulter (1978). Longitudinal sections were cut with a Sorvall JB-4 microtome set to 2 μ m, mounted on acid washed glass slides, and stained with either alcian blue, periodic acid-schiffs reagent (PAS), or both (Thompson 1966).

Slides were examined using a Wild M20 microscope equipped with a drawing tube, at 300 X. Measurements of cell size and counts of cells within tissues were made utilizing a dedicated microcomputer with digitizing tablet (Zeiss Videoplan). Cells were counted and measured in randomly selected fields consisting of the area defined by three secondary lamellae, and three interlamellar spaces on each side of the primary lamella. The most proximal region of the filament, about 10% of the total filament length, was excluded, as was the extreme distal region where there were no secondary lamellae. Data were analyzed using the Statistical Analysis System (SAS) running on an IBM 370 mainframe computer.

RESULTS

Using SEM (Figure 5a), gills from the high pH lake appeared free of mucus and debris. Cell junctions and microridges were clearly visible. Gills from the low pH lake had much more material on the surfaces, often obscuring detail (Figure 5b). Surfaces appeared more irregular, possibly

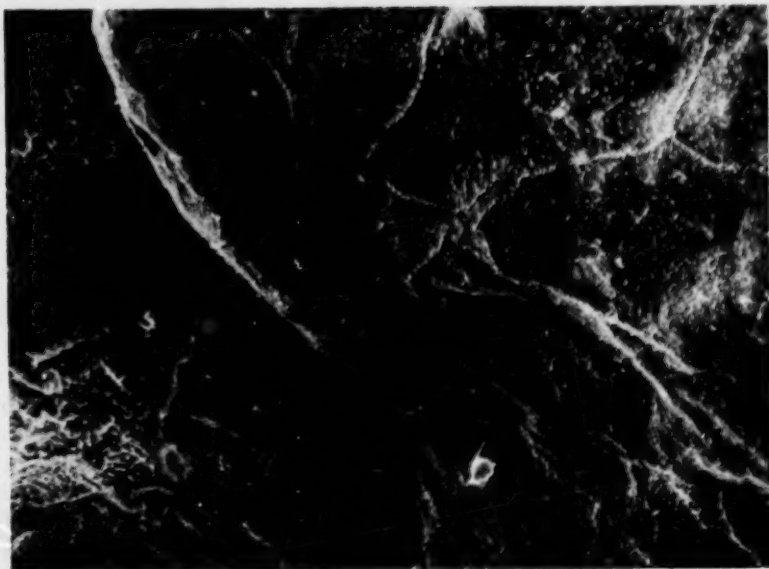


Figure 5a. White sucker gill secondary lamellae. Fish collected from Green Lake, mean pH 7.0. Bar=10 microns.

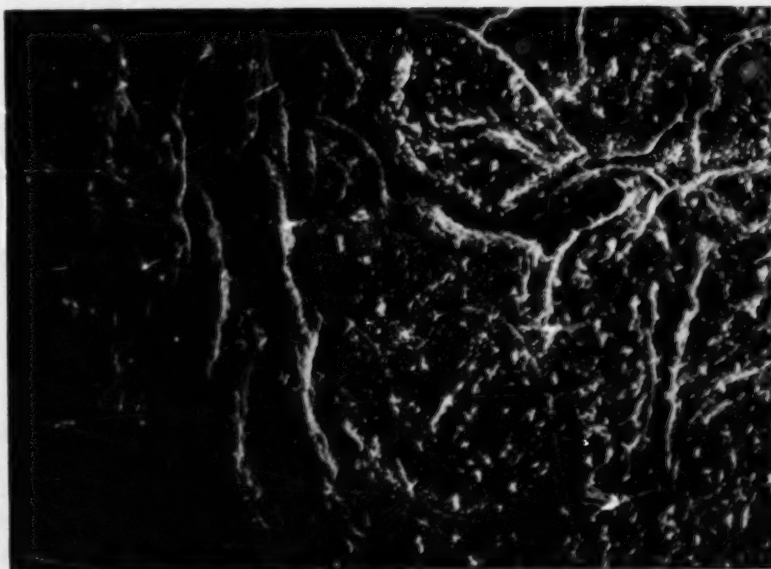


Figure 5b. White sucker gill secondary lamellae. Fish collected from Unnamed Pond, mean pH 5.9. Bar=10 microns.

due to some swelling of epithelial cells. Numerous pits or pores were noted on the surfaces of the high pH gills (Figure 6a). Subjectively, these were less abundant on the lower pH gills, but when present, appeared morphologically identical (Figure 6b).

Unambiguous identification of mucous cells was necessary for morphometric analysis, so histochemical staining procedures specific for mucopolysaccharides were used. Mucous cells stain a very distinct blue color upon treatment with alcian blue, and were easily identified. These cells were also PAS positive. Alcian blue staining was the simpler procedure, and was chosen for routine use.

Initially, counts of a large number of fields were made on a single slide, from an individual from Green Lake. A cumulative mean score was calculated from each successive field. Based on a graphical analysis to locate the convergence of plotted cumulative means, a sample size of five fields per slide was selected. Next, four slides were counted per filament, for four filaments in the same individual, and the data analysed by a nested analysis of variance. Variation between slides was found to be low, so two slides per filament was judged adequate, with three filaments per individual. Nested analysis of variance was again performed on the final data, consisting of counts from two locations, five individuals per location, three filaments per individual, two slides per filament, and five fields per slide. Inter-individual variation is very small compared to between location and within individual variation (Table 13). Therefore, the experimental design used a smaller number of individuals relative to a larger number of measurements per individual.

Table 13. Nested analysis of variance of mucous cell counts.

Level	df	Mean Squares	Variance Component	Percent
Total	299	192.2	219.0	100
Location	1	8237.3	49.4	22.6
Individual	8	826.9	0.4	0.2
Filament	20	815.2	56.3	25.7
Slide	30	252.2	34.8	15.9
Field	240	78.1	78.1	35.7

Mucous cell sizes varied widely within individuals. There is considerable overlap of cell sizes between individuals regardless of location (Table 14). By single classification analysis of variance, there is a small but just significant difference between locations ($F=4.02$, $p<0.05$). Mean mucous cell size in individuals from the high pH lake was larger than in individuals from the low pH lake. This may be artifactual,

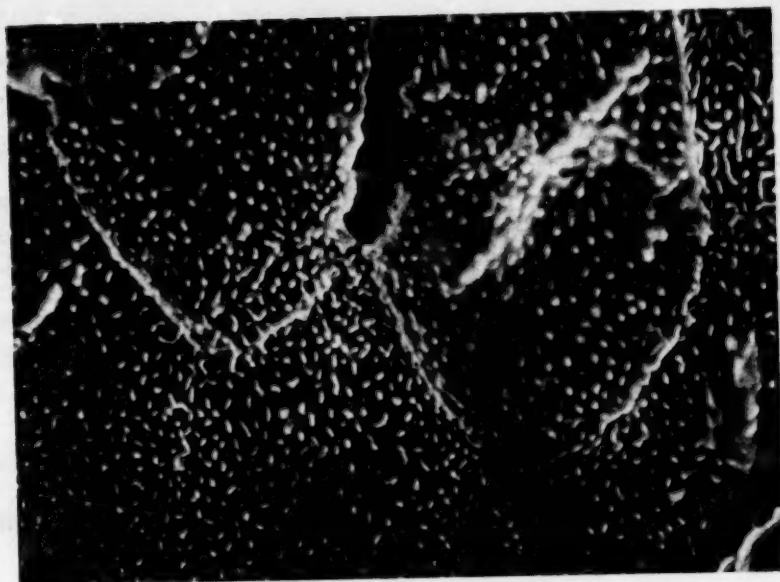


Figure 6a. Pore in secondary lamellar epithelium of white sucker collected from Green Lake, mean pH 7.0. Bar=10 microns.

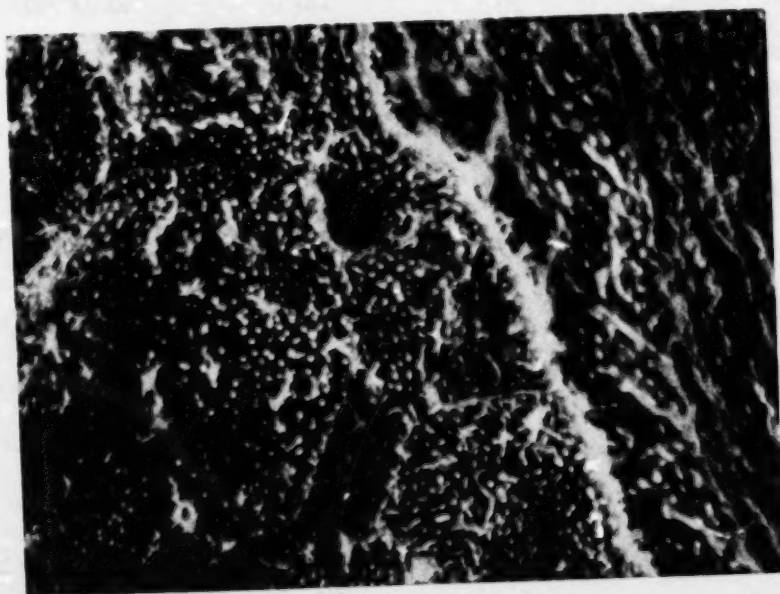


Figure 6b. Pore in secondary lamellar epithelium of white sucker collected from Unnamed Pond, mean pH 5.9. Bar=10 microns.

since the mean mucous cell size of one individual from Green Lake was much greater than any other individual. If these measurements are omitted from the analysis, the difference between locations disappears. This observation, combined with the marginally significant F value suggests that there is no real trend in size of mucous cells related to environmental pH.

However, significant differences were found in cell numbers among individuals. When counts from all individuals were pooled by location, fish from the low pH site (Unnamed Pond) were found to have more mucous cells ($p < 0.001$, ANOVA) than those from Green Lake, the high pH site. Comparing individuals (Table 15), it can be seen that individuals with the highest mucous cell counts were found in the low pH lake.

Table 14. Sizes of mucous cells in sections from individuals from Unnamed Pond and Green Lake. Mean (standard deviation) in square microns, by individual, based on measurements of cells in ten fields per filament, three filaments per individual.

Location	Individual	N	Mucous Cell Area
Green Lake	1	1341	44.1 (26.9)
	2	1126	36.9 (20.3)
	3	989	25.2 (15.9)
	4	1267	36.0 (24.3)
	5	1264	32.9 (19.6)
	total	5987	35.5 (22.8)
Unnamed Pond	1	1636	37.0 (23.8)
	2	1254	32.0 (20.5)
	3	1422	35.9 (24.7)
	4	1667	34.2 (19.8)
	5	1591	34.3 (18.7)
	total	7570	34.7 (21.6)

Table 15. Numbers of mucous cells in gills of fish from Green Lake and Unnamed Pond. Mean (standard deviation) number per field, based on counts of ten fields per filament, three filaments per individual. Numbers with the same superscript are not significantly different (Student-Newman-Keuls test, $p < 0.05$).

Location	Individual	Count
Green Lake	1	44.7 (13.9) ^{ab}
	2	38.0 (11.8) ^a
	3	32.8 (7.8)
	4	42.2 (11.3) ^{ab}
	5	42.1 (7.9) ^{ab}
Unnamed Pond	1	54.5 (14.2)
	2	41.8 (11.2) ^{ab}
	3	47.4 (18.6) ^b
	4	55.6 (8.6)
	5	53.0 (11.9)

DISCUSSION

Numerous studies have employed SEM to view the surfaces of fish gills of various marine and freshwater species, but none have looked at gills of white sucker. Overall appearance of these gills is similar to that of sunapee trout (Jagoe and Haines 1983) and rainbow trout *Salmo gairdneri* (Olson and Fromm 1973; Kendall and Dale 1979). Chronic exposure to lowered pH does not cause the extensive epithelial damage of acutely lethal exposure found by Jagoe and Haines (1983). Indeed, the only noticeable effects are an increase in material, probably mucus, on the cell surfaces, and possibly some minor swelling of the respiratory epithelial cells. The nature of the pits or pores observed is cryptic. Olson and Fromm (1973) presented micrographs of cells they identified as chloride cells that do not resemble the feature in question here. However, Kendall and Dale (1979) found similar structures in the gills of rainbow trout, which they proposed might be associated with chloride cells. They noted that apical crypts do not occur in the chloride cells of freshwater fish, but suggested that the pores might be openings through other epithelial cells that appear

to cover chloride cells in sections. Alternatively, they noted that these may be adaptations for rapid detection of alterations in respiration or olfaction. Regardless of their function, they did not appear to be affected by a low pH environment, other than possibly being obscured by mucus.

Daye and Garside (1976) reported epithelial separation and hypertrophy of mucous cells in brook trout gills exposed to pH 5.2 and less. Hypertrophy of mucous cells was not observed here, but the pH levels of the lakes the fish were obtained from were higher than 5.2. Zuchelkowski et al. (1981) exposed brown bullheads to pH levels similar to those found in Unnamed Pond, and found an increase in the volume density of mucous cells in the epidermis resulting from an increase in cell number. It has recently been suggested that mucus produced under low pH stress may be somewhat different chemically from that produced under normal conditions. Zuchelkowski et al. (1985) observed a shift towards sulfomucin production under such conditions in the brown bullhead. While the present study did not specifically examine mucus chemistry, no difference in staining was noted among cells from the two locations.

Data presented here support the observation that hyperplasia of mucous cells occurs with chronic low pH stress. Individuals from the low pH lake had the highest number of mucous cells in their gills. This hyperplasia was probably responsible for the increased amount of material on the gill surfaces as revealed by SEM.

SUMMARY AND CONCLUSIONS

This study was conducted to assess the status of fish populations of 22 lakes in Maine representing a range of chemical conditions related to acidity. The lakes were all less than 50 ha surface area, had a permanent outlet but no permanent inlet, had low color, had not been stocked with fish or chemically reclaimed, and were located in undisturbed watersheds. The lakes selected are in areas where bedrock buffering capacity and soil cation exchange capacity represented all categories identified in the state. Each lake was sampled three times to determine water chemistry and once to assess the fish populations. White sucker from four lakes representing the range of chemical conditions of lakes that supported fish were analyzed for trace elements and bone strength and composition, and from one circumneutral and one low pH lake to examine histological parameters of the gills.

Bedrock buffering capacity and soil cation exchange capacity were not good predictive indices of lake acidity. Bedrock and soil areas that were high in acid neutralizing capacity (ANC) did not contain acid lakes, but areas that were low in ANC contained lakes of a wide range of acidity. It was possible to predict that lakes located in regions of high ANC would not be acidic, but in the absence of detailed watershed hydrology information it was not possible to predict the acidity of lakes located in regions of low ANC. Although this region receives highly acidic precipitation, only a small fraction of the lakes located in areas of low ANC were in fact acidic.

Fish populations were affected by lake acidity. Lakes with pH <5.0 were devoid of fish, but all lakes with pH 5.4-7.0 supported fish populations. Most fish species were ubiquitous in lakes above pH 5.4, except common shiner and creek chub, which did not occur below pH 5.9-6.0. The fishless lakes differed from the others primarily with respect to water chemistry variables related to acidity, such as pH, aluminum concentration, and calcium concentration. Species assemblages in lakes that supported fish were related primarily to lake productivity and habitat diversity factors (total ionic strength, maximum depth, surface area).

Fish from three acidic lakes had higher whole body concentrations of cadmium, lead, and mercury than fish from a circumneutral lake. Trace metal concentrations were correlated with factors related to divalent cation concentration rather than pH, probably because of the role these ions play in gill membrane function. There was no evidence that lake acidity affected body stores of sodium or potassium. Fish that survived in lakes of pH 5.4-6.0 showed evidence of sublethal stress as bone strength was significantly reduced, apparently as a result of reduced bone proline concentrations. There was also a tendency for weaker bones to have reduced calcium levels. Gill mucous cell numbers were increased, indicating higher mucus production in these fish, probably in response to gill irritation.

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Appendix A. Water chemistry data collected from the study lakes.

NAME=BEAR POND DATE=811P3

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021366	.	.	.	.	.	.	.	.	.	.	.
23021366	.	.	.	.	.	.	.	.	.	.	.
23021366	.	.	.	.	.	.	.	.	.	.	.
23021366	0	.	6.50	77	20	80	7.11111	107.9	7.68	26.336	71.34
23021366	0	.	6.45	76	20	70	7.77778	.	.	.	.

NAME=BEAR POND DATE=82082

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021366	0	.	6.75	111	22	50	5.00000	107.31	7.168	26.336	60.03
23021366	0	.	6.75	112	22	50	4.88889	.	.	.	.
23021366	1	.	6.45	112	22	40	7.33333	108.78	7.680	27.982	65.25
23021366	1	.	6.85	115	22	40	7.66667	.	.	.	.

NAME=BEAR POND DATE=101883

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021366	0.0	8.8	5.45	36.0	21	60	5.77778	103.39	9.728	27.982	63.510
23021366	0.0	8.8	5.45	36.0	21	60	5.77778	103.39	.	.	.
23021366	1.2	.	6.55	69.7	19	60	7.22222	.	8.448	27.159	61.335
23021366	1.2	9.8	6.40	69.2	22	60	6.66667	101.43	.	.	.

NAME=BIG FISHER POND DATE=60183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021353	.	.	.	.	.	.	.	.	.	.	.
23021353	.	.	.	.	.	.	.	.	.	.	.
23021353	0	13	5.75	52	24	10	5.88889	108.29	6.188	41.15	26.1
23021353	0	.	5.80	51	20	10	5.55556	.	.	.	.

NAME=BIG FISHER POND DATE=80483

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021353	0	.	7.00	107	23	20	4.00000	130.34	6.912	46.089	72.100
23021353	0	.	6.45	109	22	20	4.33333	.	.	.	.
23021353	0	.	7.00	107	23	20	7.77778	134.26	11.520	46.089	46.545
23021353	0	.	6.85	109	22	20	8.55556	.	.	.	.
23021353	2	.	7.10	116	22	30	4.44444	128.38	6.656	45.265	30.985
23021353	2	.	7.00	106	22	30	4.44444	.	.	.	.
23021353	2	.	7.10	116	22	30	5.11111	129.85	7.936	45.265	76.105
23021353	2	.	7.00	106	22	30	5.55556	.	.	.	.

NAME=BIG FISHER POND DATE=102493												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	
23021333	0.0	.	6.25	66.9	21	20	5.0000	111.23	6.400	51.026	32.625	
23021333	0.0	.	6.35	63.7	21	30	13.8889	.	.	50.203	.	
23021333	0.0	.	6.35	63.7	21	30	5.0000	.	.	.	.	
23021333	0.5	.	6.55	65.8	21	30	3.4444	.	7.424	51.026	33.405	
23021333	0.5	.	6.65	79.7	23	30	3.8889	111.23	.	50.203	.	

NAME=BROWNS POND DATE=62993												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	
23005360	0	25	5.85	12	20	40	15.0000	55.86	2.304	23.967	68.730	
23005360	0	.	5.75	13	20	40	15.0000	.	.	.	.	
23005360	2	25	5.80	19	19	40	15.5556	56.35	2.304	24.690	70.905	
23005360	2	.	5.95	14	20	40	15.4444	.	.	.	.	

NAME=BROWNS POND DATE=90982												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	
23005360	0	.	5.90	21	22	40	13.6667	62.23	3.84	27.159	75.560	
23005360	0	.	5.95	30	22	40	14.1111	.	.	.	.	
23005360	2	.	5.95	27	20	50	12.6667	59.29	3.84	26.336	74.385	
23005360	2	.	5.95	26	20	50	13.7778	.	.	.	.	

NAME=BROWNS POND DATE=111583												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	
23005360	0	.	5.70	22.8	21	50	14.0000	.	8.704	36.212	83.085	
23005360	0	1.6	5.90	32.8	23	50	14.7778	92.12	.	.	.	
23005360	1	.	5.65	16.5	22	50	15.4444	91.14	8.444	36.212	81.740	
23005360	1	.	5.65	16.5	22	50	15.5556	91.14	.	.	.	
23005360	1	.	5.65	16.5	22	50	12.5556	91.14	.	.	.	
23005360	1	.	5.65	16.5	22	50	13.8889	91.14	.	.	.	

NAME=CLOUD POND DATE=11784												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	
23021335	1	1.5	4.79	-15.0	20	10	34.1111	37.24	7.640	27.982	74.350	
23021335	1	.	4.65	-17.0	21	10	31.4444	.	.	.	.	
23021335	1	.	4.65	-17.0	21	10	31.6667	.	.	.	.	
23021335	11	.	4.90	-5.9	19	10	22.6667	.	8.192	27.982	23.490	
23021335	11	2.6	4.92	-8.6	19	10	22.3333	35.77	.	.	23.925	
23021335	11	2.6	4.92	-8.6	19	10	22.3333	35.77	.	.	23.925	

NAME=CLOUD POND DATE=60183											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23021335	0	9	4.75	-13	24	10	40.8889	31.36	9.216	24.690	23.40
23021335	0	.	4.76	-17	24	10	41.4444	.	.	.	.
23021335	5	8	4.80	-14	22	10	41.4444	33.32	9.960	23.867	23.40
23021335	5	.	4.77	-19	22	10	43.1111	.	.	.	.

NAME=CLOUD POND DATE=92983											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23021335	0	12	4.70	-10	22	10	28.4444	31.85	7.680	23.867	24.705
23021335	0	.	4.75	-18	22	10	27.7778	.	.	.	.
23021335	9	12	4.70	-13	21	10	28.4444	31.85	7.424	23.867	24.360
23021335	9	.	4.75	-18	21	10	27.4444	.	.	.	.

NAME=CRATER POND DATE=11784											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23021333	1	.	4.72	-16.0	16	0	46.1111		4.608	18.929	20.98
23021333	1	0.4	4.75	-15.0	17	10	.	13.72	.	18.929	.
23021333	1	0.4	4.75	-15.0	17	10	.	13.72	.	18.929	.
23021333	6	.	4.97	-8.0	16	10	28.5556		6.400	20.575	20.98
23021333	6	3.0	4.95	-8.4	17	10	29.6667	15.19	.	.	.
23021333	6	3.0	4.95	-8.4	17	10	29.1111	15.19	.	.	.
23021333	6	3.0	4.95	-8.4	17	10	32.3333	15.19	.	.	.
23021333	6	3.0	4.95	-8.4	17	10	31.4444	15.19	.	.	.
23021333	6	3.0	4.95	-8.4	17	10			.	.	.

NAME=CRATER POND DATE=60183											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23021333	0	11	4.76	-14	15	0	37.0000	12.74	5.888	16.460	18.705
23021333	0	.	4.85	-4	14	0	37.0000	.	.	.	.
23021333	0	12	4.67	-12	16	0	27.0000	11.76	4.854	15.637	19.140
23021333	0	.	4.85	-9	16	0	27.8889	.	.	.	.
23021333	3	9	4.72	-17	15	0	38.7778	11.76	5.632	14.914	19.140
23021333	3	.	4.75	-10	15	0	36.1111	11.76	.	.	.
23021333	3	12	4.88	-2	16	0	27.5556	11.76	4.608	14.914	19.140
23021333	3	.	4.80	-9	17	0	27.1111	.	.	.	.

NAME=DAVIS POND DATE=62883											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23011367	0	24	6.45	42	22	50	14.1111	90.16	6.912	31.274	61.335
23011367	0	.	6.40	35	24	60	13.7778	.	.	.	.
23011367	5	13	5.95	36	23	40	11.0000	94.57	7.424	32.920	60.865
23011367	5	.	6.10	38	24	50	11.4444	.	.	.	.

NAME=DAVIS POND DATE=90292

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA
23011367	0	17	6.30	47	25	50	9.6667	99.49	9.102	35.399	67.960
23011367	0	.	6.25	40	25	50	9.7778	.	.	.	.
23011367	12	6	6.10	192	34	110	33.6667	115.64	9.472	39.681	22.195
23011367	12	.	6.20	194	35	120	34.5556	.	.	.	.

NAME=DAVIS POND DATE=111593

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA
23011367	0	.	5.90	34.9	26	60	15.2222	.	11.008	39.681	63.510
23011367	0	1.1	6.20	38.4	25	60	14.6667	102.81	.	.	.
23011367	6	.	5.95	42.1	26	50	15.1111	101.92	11.009	38.681	63.075
23011367	6	.	5.85	35.7	27	60	16.5556	102.90	.	.	.
23011367	6	.	5.85	35.7	27	60	15.3333	102.90	.	.	.

NAME=EIGHTEEN POND DATE=60183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA
23021356	0	14	5.75	21	12	20	10.5556	43.61	6.184	25.513	32.06
23021356	0	.	6.35	34	12	20	10.1111	.	.	.	.
23021356	4	14	5.65	12	12	20	10.5556	44.59	4.884	23.867	33.06
23021356	4	.	5.71	18	12	20	11.2222	.	.	.	.

55

NAME=EIGHTEEN POND DATE=82583

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA
23021356	0	.	6.05	16	16	0	2.4444	43.61	5.632	26.336	36.54
23021356	0	.	6.10	16	15	0	2.6667	43.12	5.888	26.336	36.54
23021356	5	.	5.95	18	13	0	3.4444	.	.	.	.
23021356	5	.	6.10	21	14	0	3.5556	.	.	.	.

NAME=EIGHTEEN POND DATE=101793

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA
23021356	0.0	.	6.20	28.1	13	20	1.7778	.	5.888	29.628	38.28
23021356	0.0	11.0	6.05	19.1	17	20	1.5556	49.49	6.144	.	.
23021356	0.0	11.0	6.05	19.1	17	20	2.0000	49.49	.	.	.
23021356	0.0	11.0	6.05	19.1	17	20	1.7778	49.49	.	.	.
23021356	4.2	10.4	6.45	34.9	14	20	0.8889	46.55	5.376	29.628	36.54
23021356	4.2	.	6.20	34.3	14	20	0.8889	.	.	.	.
23021356	4.2	10.4	6.45	34.9	14	20	2.5556	49.49	.	.	.

NAME=FOGG POND DATE=60193											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	MA
23021359	0	13	6.25	25	12	10	4.77778	38.22	8.192	37.035	22.670
23021359	0	.	6.00	17	12	10	5.22222	.	.	.	.
23021359	5	13	5.90	18	12	0	6.11111	37.73	8.444	37.035	24.795
23021359	5	.	5.90	11	12	0	6.00000	.	.	.	.

NAME=FOGG POND DATE=91593											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	MA
23021359	.	.	.	.	.	.	.	.	.	.	.
23021359	.	.	.	.	.	.	.	.	.	.	.
23021359	0	.	6.2	23	16	20	2.55556	39.69	9.984	41.15	27.405
23021359	0	.	6.0	21	16	20	2.88889	.	.	.	.

NAME=FOGG POND DATE=111483											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	MA
23021359	0	.	6.15	16.0	13	0	4.11111	.	.	49.380	.
23021359	0	1.1	6.30	25.1	14	0	4.11111	52.92	.	49.380	.
23021359	6	.	5.90	16.4	12	0	3.88889	.	8.448	50.203	11.72
23021359	6	.	6.00	17.6	13	0	4.77778	55.37	.	50.203	30.45
23021359	6	.	6.00	17.6	13	0	4.77778	55.37	.	50.203	30.45

56

NAME=GARCOCK POND DATE=11784											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	MA
23021322	1	3	5.63	25.6	21	30	9.4444	100.94	5.376	31.274	31.755
23021322	1	.	5.55	21.2	21	40	12.1111	.	5.376	32.097	.
23021322	1	.	5.55	21.2	21	40	11.7778	.	.	.	.
23021322	1	.	5.55	21.2	21	40	11.7778	.	.	.	.
23021322	4	.	5.75	44.2	21	50	10.5556	.	6.144	33.743	12.625
23021322	4	4	5.65	28.3	21	50	10.0000	104.37	.	.	.

NAME=GARCOCK POND DATE=92383											
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	MA
23021322	0	.	5.78	18	20	50	4.44444	99.95	6.912	32.097	37.410
23021322	0	.	5.90	17	19	40	4.44444	.	.	.	.
23021322	4	.	5.23	18	18	40	6.33333	85.26	3.072	29.805	26.535
23021322	4	.	5.15	15	18	40	6.00000	.	.	.	.

NAME=GARCOCK POND DATE=101383

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	NA
23021322	0	13	5.35	-4	20	30	4.48444	93.59	7.168	10.451	35.67
23021322	0	.	5.55	12	20	40	4.88889	.	.	.	.
23021322	0	.	5.55	12	20	40	4.88889	.	.	.	.
23021322	1	13	5.60	24	18	50	6.00000	109.29	8.960	31.274	35.67
23021322	1	.	5.75	21	19	50	5.98889	.	.	.	.

NAME=GREEN LAKE DATE=62183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	NA
23009365	0	25	6.30	89	23	10	3.77778	93.10	19.968	28.805	91.785
23009365	0	.	6.65	115	25	10	3.55556	.	.	.	.
23009365	3	25	7.85	118	24	10	3.77778	97.02	20.224	27.159	87.870
23009365	3	.	7.69	124	24	10	4.00000	.	.	.	.

NAME=GREEN LAKE DATE=80582

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	NA
23009365	0	22	6.85	126	28	10	4.77778	87.71	20.224	28.805	95.265
23009365	0	.	6.95	122	28	10	5.33333	.	.	.	.
23009365	2	20	7.25	118	25	10	6.77778	88.69	20.736	29.628	79.735
23009365	2	.	7.05	127	26	10	6.66667	.	.	.	.

NAME=GREEN LAKE DATE=103183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23009365	0	.	7.05	102.0	23	10	2.55556	.	22.016	34.566	84.345
23009365	0	6	6.85	102.0	24	10	3.33333	79.38	.	.	.
23009365	0	6	6.85	102.0	24	10	2.44444	79.38	.	.	.
23009365	3	.	6.85	99.5	22	10	2.66667	.	22.016	34.566	93.960
23009365	3	6	6.85	98.3	23	10	1.22222	77.42	22.016	.	.
23009365	3	6	6.85	98.3	23	10	1.55556	77.42	.	.	.

NAME=HORSESHOE POND DATE=923P3

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021360	0	.	.	.	.	20	5.88889	71.54	5.888	27.992	81.760
23021360	0	.	.	.	18	20	6.11111	.	.	.	.
23021360	2	.	5.65	9	18	20	8.88889	68.11	5.376	27.159	36.975
23021360	2	.	5.53	6	16	20	5.22222	.	.	.	.

NAME=HORSESHOE POND DATE=100683

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021360	0	.	5.70	7.0	16	20	.	68.60	.	.	.
23021360	0	.	5.70	8.0	15	20	.	.	.	.	.
23021360	0	.	5.70	8.3	15	20	.	.	.	.	.
23021360	2	.	5.70	9.0	16	20	.	67.62	.	.	.
23021360	2	.	5.75	13.0	15	20	.	.	.	.	.

NAME=HORSESHOE POND DATE=101783

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021360	0.0	.	5.60	3.4	17	40	8.11111	.	5.376	31.274	37.81
23021360	0.0	9.9	5.55	1.9	18	40	8.33333	75.95	.	.	.
23021360	0.0	9.9	5.55	1.9	18	40	8.55556	75.95	.	.	.
23021360	1.2	9.9	5.50	3.8	19	40	6.00000	75.46	5.376	32.097	37.41
23021360	1.2	9.9	5.50	3.8	19	40	7.88888	75.46	5.120	.	.
23021360	1.2	9.9	5.50	3.8	19	40	7.00000	75.46	.	.	.

NAME=JOHNSTON POND DATE=11784

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021319	1	.	5.95	24.4	16	10	5.44444	.	6.656	41.973	31.755
23021319	1	1.0	5.78	27.5	16	0	5.55556	50.47	.	.	31.320
23021319	1	1.0	5.78	27.5	16	0	5.11111	50.47	.	.	.
23021319	11	.	5.98	31.0	15	10	4.33333	.	6.912	42.796	13.495
23021319	11	1.4	6.25	31.4	16	10	4.88889	53.41	.	.	.

NAME=JOHNSTON POND DATE=83083

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021319	0	.	6.45	19	15	0	2.22222	49.00	8.192	37.035	39.15
23021319	0	.	6.25	22	15	0	2.22222	.	.	.	.
23021319	15	.	5.85	31	15	20	6.00000	52.43	7.168	38.681	32.19
23021319	15	.	5.60	29	15	20	6.00000	.	.	.	.

NAME=JOHNSTON POND DATE=110883

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021319	0	.	6.20	28.0	16	0	3.22222	.	9.216	40.327	40.890
23021319	0	4.4	6.35	31.2	16	0	1.88889	49.98	.	.	.
23021319	12	.	6.25	31.1	14	0	0.98889	.	6.912	39.504	30.885
23021319	12	.	6.25	27.0	13	0	0.88889	48.51	.	.	.
23021319	12	.	6.25	27.0	13	0	0.66667	48.51	.	.	.

NAME=KNOX POND DATE=62183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23029363	0	25	6.25	29	21	30	10.2222	69.09	12.544	26.336	81.780
23029363	0	.	6.16	33	20	40	11.0000	.	12.800	25.513	76.125
23029363	5	14	5.71	31	21	40	10.4444	68.60	.	.	.
23029363	5	.	5.65	24	22	40	11.2222	.	.	.	.

NAME=KNOX POND DATE=81082

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23029363	0	.	6.60	40	21	30	8.7778	70.56	12.900	27.159	84.825
23029363	0	.	6.40	46	21	30	8.3333	.	12.544	28.905	82.650
23029363	7	.	5.75	37	21	30	12.2222	72.52	.	.	.
23029363	7	.	5.85	41	21	30	13.4444	.	.	.	.

NAME=KNOX POND DATE=103183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23029363	0	.	6.95	70.8	23	40	8.66667	.	14.848	32.92	89.610
23029363	0	6	6.50	55.8	21	40	7.66667	85.75	14.592	.	.
23029363	0	6	6.50	55.8	21	40	7.55556	85.75	13.312	32.92	85.695
23029363	6	.	6.50	50.4	23	40	7.77778	.	.	.	85.695
23029363	6	6	6.50	56.6	24	40	8.22222	95.75	.	.	.

NAME=LITTLE FISHER POND DATE=60183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021354	.	.	.	.	.	.	.	.	.	.	.
23021354	.	.	.	.	.	.	.	.	.	.	.
23021354	0	14	6.35	62	20	20	15.8889	111.72	5.898	49.38	33.06
23021354	0	.	5.60	27	20	20	15.0000	.	.	.	.

NAME=LITTLE FISHER POND DATE=80483

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021354	.	.	.	.	.	.	.	.	.	.	.
23021354	.	.	.	.	.	.	.	.	.	.	.
23021354	0	.	6.35	39	22	50	14.3333	109.27	6.912	55.964	41.76
23021354	0	.	6.30	40	23	50	15.7779	.	.	.	.

NAME=LITTLE FISHER POND DATE=102493										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23021354	0.0	10.4	6.40	50.9	32	50	12.7778	133.77	7.680	69.955
23021354	0.0	.	6.25	50.8	29	50	13.7778	.	.	67.486
23021354	0.5	.	6.55	48.0	28	50	8.4444	135.73	7.168	69.132
23021354	0.5	.	6.30	52.8	27	40	11.1111	.	.	69.309
23021354	0.5	.	6.30	52.8	27	40	10.0000	.	.	.

NAME=LITTLE HURD POND DATE=60193										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23021352	0	12	5.95	26	20	10	16.0000	83.30	11.004	22.221
23021352	0	.	5.80	21	20	10	18.7778	.	.	36.540
23021352	5	12	6.00	26	18	10	16.3333	85.26	10.752	22.221
23021352	5	.	5.81	22	18	10	15.6667	.	.	36.105

NAME=LITTLE HURD POND DATE=72793										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23021352	0	.	6.35	24	20	0	8.1111	87.22	10.752	21.398
23021352	0	.	6.30	34	20	0	8.3333	.	.	39.150
23021352	20	.	5.80	40	22	10	12.3333	101.92	10.240	24.690
23021352	20	.	5.85	40	21	10	13.1111	.	.	43.935

NAME=LITTLE HURD POND DATE=102493										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23021352	0	9.9	6.05	32.1	22	10	3.2222	99.96	11.520	25.513
23021352	0	.	6.35	33.5	20	10	3.0000	.	.	48.805
23021352	0	.	6.35	33.5	20	10	5.4444	.	.	.
23021352	0	.	6.35	33.5	20	10	8.4444	.	.	.
23021352	0	.	6.35	33.5	20	10	4.4444	.	.	.
23021352	4	9.4	5.85	39.1	20	10	7.2222	99.47	12.012	25.513
23021352	4	.	6.15	39.6	20	10	6.8889	101.43	12.248	44.370

NAME=LOST POND DATE=11784										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23021351	1	.	5.18	1.2	19	30	27.8889	.	9.704	28.805
23021351	1	2.3	5.25	2.7	20	30	22.7778	72.52	8.960	32.625
23021351	1	2.3	5.25	2.7	20	30	24.1111	72.52	.	.
23021351	1	2.3	5.25	2.7	20	30	24.1111	72.52	.	.
23021351	2	.	5.20	5.0	23	40	21.1111	72.52	8.960	33.060
23021351	2	2.4	5.35	3.1	24	40	21.0000	73.99	.	.

NAME=LOST POND DATE=60193										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23021351	0	13	5.35	8	14	40	18.6667	60.27	11.008	20.575
23021351	0	.	5.08	3	14	40	18.8889	.	.	29.710
23021351	2	13	5.35	5	18	40	19.3333	61.74	10.752	20.575
23021351	2	.	5.35	2	15	40	20.6667	.	.	28.275

NAME=LOST POND DATE=72083										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23021351	0	.	5.80	6	20	20	11.0000	59.29	9.984	23.867
23021351	0	.	5.65	8	17	30	10.7778	.	.	38.8
23021351	1	.	5.75	18	18	30	11.5556	61.74	10.240	23.867
23021351	1	.	5.65	7	17	30	10.7778	.	.	38.8

NAME=PORTER POND DATE=62383										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23009361	1	25	6.25	39	18	30	6.1111	74.97	11.776	24.69
23009361	1	.	6.15	41	18	30	6.3333	.	.	70.035
23009361	3	25	6.58	46	20	30	6.8889	75.46	11.776	24.69
23009361	3	.	6.35	43	19	30	7.1111	.	.	70.470

NAME=PORTER POND DATE=72982										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23009361	1	22	6.35	47	20	10	4.1111	65.66	10.752	22.221
23009361	1	.	6.48	44	20	10	4.0000	.	.	73.080
23009361	3	21	6.40	51	19	10	3.5556	63.70	11.008	22.221
23009361	3	.	6.52	48	19	10	3.7778	.	.	72.645

NAME=PORTER POND DATE=103193										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23009361	0	6	6.45	49.4	24	20	2.6667	73.01	14.080	29.628
23009361	0	.	6.45	45.5	21	20	2.5556	73.50	.	80.04
23009361	3	.	6.55	50.4	20	20	2.8889	.	13.312	10.451
23009361	3	6	6.50	48.0	20	20	4.0000	73.50	.	75.69
23009361	3	6	6.50	48.0	20	20	3.3333	73.50	.	.

NAME=TROUT POND DATE=90883										
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG
23029364	.	.	.	.	.	.	.	.	.	.
23029364	.	.	6.80	81	24	20	7.2222	106.82	7.924	47.796
23029364	0	.	.	.	.	.	.	.	.	70.47

NAME=TROUT POND DATE=90893

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23029364	0	.	6.75	84	29	20	7.22222	.	.	.	.

NAME=TROUT POND DATE=101292

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23029364	0	9	6.75	93	28	10	3.55556	106.33	9.216	40.327	76.995
23029364	0	.	6.75	96	27	10	8.00000	.	.	.	.
23029364	2	9	6.75	.	27	10	3.88889	105.35	8.960	39.681	79.300
23029364	2	.	6.75	96	27	10	8.22222	.	.	.	.

NAME=TWIN POND DATE=11784

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021320	1	.	6.42	50.6	22	0	2.66667	.	9.872	27.159	41.760
23021320	1	0.3	6.35	70.9	22	0	2.33333	106.82	.	.	.
23021320	1	0.3	6.35	70.9	22	0	2.33333	106.82	.	.	.
23021320	1	0.3	6.35	70.9	22	0	2.33333	106.82	.	.	.
23021320	18	.	6.25	61.3	21	10	1.33333	.	10.896	27.159	42.125
23021320	18	2.9	6.52	63.5	22	10	1.00000	104.37	.	.	.
23021320	18	2.9	6.52	63.5	22	10	1.66667	104.37	.	.	.
23021320	18	2.9	6.52	63.5	22	10	1.66667	104.37	.	.	.
23021320	18	2.9	6.52	63.5	22	10	1.66667	104.37	.	.	.

NAME=TWIN POND DATE=90293

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021320	0	.	6.60	53	21	10	2.66667	95.55	11.264	30.851	47.850
23021320	0	.	6.70	53	21	10	2.66667	.	.	.	.
23021320	15	.	5.85	53	24	10	5.66667	96.04	10.752	29.628	42.195
23021320	15	.	5.95	52	23	10	5.66667	.	.	.	.

NAME=UNWATED POND DATE=60193

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA
23021355	.	.	.	.	.	.	.	.	.	.	.
23021355	.	15	5.25	8	12	50	8.55556	55.37	11.008	20.575	22.195
23021355	0	.	5.15	12	14	40	9.00000	.	.	.	.

NAME=UNNAMED POND DATE=80983

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23021355	.	.	.	.	.	.	.	.	.	.	.
23021355	0	6.05	25	17	80	9.11111	72.03	11.008	29.805	29.59	.
23021355	0	6.10	22	18	70	7.77778	.	.	.	.	.

NAME=UNNAMED POND DATE=101883

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	F	MG	WA
23021355	0.0	9.4	6.05	24.2	19	70	6.44444	83.30	10.240	32.920	11.755
23021355	0.0	.	6.20	32.5	19	70	6.55556	.	9.984	32.097	31.320
23021355	1.2	9.4	6.05	30.2	19	60	8.00000	87.22	9.984	12.097	.
23021355	1.2	.	6.15	35.5	18	70	8.66667	.	.	.	.

NAME=UPPER PUG POND DATE=62483

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23019362	1	25	6.75	78	25	20	5.66667	120.05	12.032	37.858	67.960
23019362	1	.	6.59	84	24	20	5.22222	.	10.496	37.035	64.815
23019362	3	24	6.45	80	24	20	5.66667	115.56	.	.	.
23019362	3	.	6.25	93	23	20	5.88889	.	.	.	.

63

NAME=UPPER PUG POND DATE=82782

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23019362	1	21	6.85	91	24	10	8.66667	120.54	24.32	39.681	100.05
23019362	1	.	6.60	101	24	10	7.77778	.	10.24	39.508	68.73
23019362	4	18	6.45	100	23	20	8.22222	117.60	.	.	.
23019362	4	.	6.80	97	23	20	3.88889	.	.	.	.

NAME=UPPER PUG POND DATE=111883

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA
23019362	0	.	6.95	102	32	20	1.22222	132.30	12.288	46.088	68.295
23019362	0	.	7.10	104	31	20	1.22222	.	.	46.088	.
23019362	0	.	7.10	104	31	20	2.44444	.	.	.	.
23019362	3	.	7.05	101	26	10	0.44444	131.81	11.520	44.482	66.990
23019362	3	.	7.05	101	26	10	0.88889	131.81	.	.	.
23019362	3	.	7.05	101	26	10	2.88889	131.81	.	.	.
23019362	3	.	7.05	101	26	10	1.55556	131.81	.	.	.

NAME=BEAR POND DATE=91193												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021366	.	.	.	.	.	.	.	.	.	.	.	27
23021366	.	.	.	.	.	.	.	.	.	.	.	27
23021366	.	.	.	.	.	.	.	.	.	.	.	28
23021366	0	.	6.50	77	20	80	7.00000	98.57	9.216	24.69	75.255	27
23021366	0	.	6.45	76	20	70	7.66667	.	.	.	.	27

NAME=BEAR POND DATE=101893												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021366	0.0	8.8	5.45	36.0	21	60	6.22222	91.63	8.192	25.513	59.160	21
23021366	0.0	.	6.25	43.5	20	60	6.00000	89.18	.	.	.	21
23021366	1.2	8.8	6.40	69.2	22	60	8.44444	93.59	11.008	24.690	67.425	.
23021366	1.2	8.8	6.40	69.2	22	60	6.44444	93.59	.	.	.	.
23021366	1.2	8.8	6.40	69.2	22	60	7.22222	93.59	.	.	.	.

NAME=BIG FISHER POND DATE=60183												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021353	.	.	.	.	.	.	.	.	.	.	.	11
23021353	.	.	.	.	.	.	.	.	.	.	.	11
23021353	0	13	5.75	52	24	10	6.11111	110.74	6.656	40.327	29.58	12
23021353	0	.	5.80	51	20	10	6.33333	.	.	.	.	12

NAME=BIG FISHER POND DATE=102493												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021353	0.0	.	6.25	66.9	21	20	2.00000	98.49	6.912	46.088	33.930	18
23021353	0.0	.	6.25	66.9	21	20	0.55556	98.49	.	45.265	.	18
23021353	0.0	.	6.25	66.9	21	20	0.84444	98.49	.	.	.	18
23021353	0.5	.	6.65	79.7	23	30	0.33333	98.47	8.704	45.265	41.325	.
23021353	0.5	.	6.65	79.7	23	30	0.88889	98.47	.	.	.	.

NAME=BROWNS POND DATE=62983												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23005360	0	25	5.95	12	20	40	12.3333	56.35	8.448	25.513	92.220	53
23005360	0	.	5.75	13	20	40	12.7778	.	.	.	.	53
23005360	2	25	5.80	19	19	40	14.6667	58.31	3.328	24.690	76.995	.
23005360	2	.	5.95	14	20	40	14.6667	.	.	.	.	.

NAME=BROWNS POND DATE=111583														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	MO3	SO1
23005360	0	1.6	5.90	32.8	23	50	10.5556	85.75	4.864	33.743	73.515	55	2.5	72
23005360	0	1.6	5.90	32.8	23	50	9.7778	85.75	.	.	.	55	2.5	72
23005360	0	1.6	5.90	32.8	23	50	11.6667	85.75	.	.	.	55	2.5	73
23005360	1	.	5.65	16.5	22	50	12.0000	87.22	5.120	34.566	76.560	54	2.6	73
23005360	1	.	5.85	28.7	23	50	14.1111	85.75	.	.	.	54	2.6	73
23005360	1	.	5.85	28.7	23	50	12.2222	85.75	.	.	.	54	2.6	73
23005360	1	.	5.95	28.7	23	50	16.5556	85.75	.	.	.	54	2.6	73
23005360	1	.	5.85	28.7	23	50	12.8889	85.75	.	.	.	54	2.6	73
23005360	1	.	5.85	28.7	23	50								

NAME=CLOUD POND DATE=11794														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	MO3	SO4
23021335	1	1.5	4.79	-15.0	20	10	28.1111	36.75	9.216	27.159	30.015	27	2	118
23021335	1	1.5	4.79	-15.0	20	10	28.6667	36.75	.	.	.	28	2	118
23021335	11	2.6	4.92	-8.6	19	10	16.2222	33.32	9.472	25.513	30.885	32	2	12
23021335	11	2.6	4.92	-8.6	19	10	16.3333	33.32	.	.	.	33	2	12
23021335	11	2.6	4.92	-8.6	19	10	.	33.32	.	.	.	32	2	16

NAME=CLOUD POND DATE=60183														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	MO3	SO1
5 23021335	0	9	4.75	-13	24	10	39.2222	32.83	9.728	24.690	25.665	20	8	9
5 23021335	0	8	4.76	-17	24	10	38.5556	.	.	.	.	20	8	9
23021335	5	8	4.80	-14	22	10	43.3333	32.34	9.472	23.867	23.925	.	.	.
23021335	5	.	4.77	-19	22	10	41.2222	.	.	.	.	.	.	.

NAME=CLOUD POND DATE=92993														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	TA	CL	MO3	SO1
23021335	0	12	4.70	-10	22	10	18.8889	33.81	10.496	23.044	34.365	37	21	9
23021335	0	.	4.75	-18	22	10	21.1111	.	.	.	.	37	21	9
23021335	9	12	4.70	-13	21	10	19.7778	31.36	9.728	23.967	29.145	22	6	9
23021335	9	.	4.75	-19	21	10	19.1111	.	.	.	.	22	6	9

NAME=CRATER POND DATE=11794														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021333	1	0.4	4.75	-15.0	17	10	47.0000	15.68	6.656	19.752	33.930	23	3	118
23021333	1	0.4	4.75	-15.0	17	10	47.0000	15.68	.	.	.	20	3	72
23021333	1	0.4	4.75	-15.0	17	10	31.8889	15.68	6.656	20.575	23.055	22	3	70
23021333	6	3.0	4.95	-8.4	17	10	32.5556	15.68	6.912	.	.	28	4	118
23021333	6	3.0	4.95	-8.4	17	10	.	15.68	.	.	.	27	4	72
23021333	6	3.0	4.95	-8.4	17	10	.	15.68	.	.	.	.	.	72
23021333	6	3.0	4.95	-8.4	17	10	.	15.68	.	.	.	.	.	72

NAME=CRATER POND DATE=60193												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA	SOI
23021333	0	11	4.76	-14	15	0	40.5556	12.74	5.888	15.637	19.140	6
23021333	0	9	4.95	-4	14	0	39.3333	.	5.376	15.637	22.185	6
23021333	0	12	4.67	-12	15	0	20.4444	12.25	.	.	.	6
23021333	0	9	4.85	-9	16	0	21.1111	.	.	.	.	6
23021333	3	9	4.72	-17	15	0	.	.	.	.	.	.
23021333	3	12	4.75	-10	15	0	27.5556	11.76	4.608	14.814	19.140	.
23021333	3	12	4.88	-2	16	0	27.1111	.	.	.	.	.
23021333	3	.	4.80	-9	17	0	.	.	.	.	.	.

NAME=DAVIS POND DATE=62993												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA	SOI
23011367	0	24	6.45	42	22	50	11.7778	90.16	10.496	32.920	80.475	.
23011367	0	.	6.40	35	24	60	12.2222	.	8.448	34.566	65.685	.
23011367	5	13	5.95	36	23	40	9.7778	92.12	.	.	.	.
23011367	5	.	6.10	38	24	50	10.5556	.	.	.	.	.

NAME=DAVIS POND DATE=111583												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA	SOI
23011367	0	1.1	6.20	38.4	25	60	9.7778	94.57	9.216	36.212	60.030	1.5
23011367	0	1.1	6.20	38.4	25	60	9.4444	94.57	.	36.212	.	4.0
23011367	0	1.1	6.20	38.4	25	60	11.4444	94.57	.	36.212	.	4.0
23011367	6	.	5.95	42.1	26	50	12.7778	95.06	12.288	35.389	67.425	1.2
23011367	6	.	5.95	42.1	26	50	11.7778	95.06	12.544	.	.	9.0

NAME=EIGHTEEN POND DATE=60193												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA	SOI
23021356	0	14	5.75	21	12	20	9.2222	45.57	6.912	25.513	33.495	6
23021356	0	.	6.35	34	12	20	10.1111	.	6.656	24.690	34.800	6
23021356	4	14	5.65	12	12	20	10.8889	45.57	.	.	.	6
23021356	4	.	5.71	18	12	20	11.1111	.	.	.	.	6

NAME=EIGHTEEN POND DATE=82593												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	MA	SOI
23021356	0	.	6.05	16	16	0	4.1111	44.59	10.240	26.336	59.140	60
23021356	0	.	6.10	16	15	0	4.4444	.	6.912	26.336	38.715	60
23021356	5	.	5.95	18	13	0	4.6667	44.10	.	.	.	0.9
23021356	5	.	6.10	21	14	0	5.1111	.	.	.	.	0.9

NAME=EIGHT PPM POND DATE=101783												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	COL
23021356	0	11	6.05	19.1	17	20	1.8889	51.94	9.728	29.628	53.505	71
23021356	0	11	6.05	19.1	17	20	2.8444	51.94	9.472	.	.	71
23021356	0	11	6.05	19.1	17	20	1.7778	51.94	.	.	.	71
23021356	0	11	6.05	19.1	17	20	2.3333	51.94	.	.	.	71

NAME=FOGG POND DATE=60193												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	COL
23021359	0	13	6.25	25	12	10	7.0000	41.16	9.728	36.212	26.100	15
23021359	0	13	6.00	17	12	10	7.4444	.	.	.	.	15
23021359	5	13	5.90	18	12	0	3.7778	39.69	9.216	36.212	24.795	14
23021359	5	.	5.90	11	12	0	4.1111	.	.	.	.	14

NAME=FOGG POND DATE=91583												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	COL
23021359	.	.	.	.	.	.	.	.	.	.	.	15
23021359	.	.	6.2	23	16	20	2.4444	38.22	8.96	41.15	26.535	15
23021359	0	.	6.0	21	16	20	3.0000	.	.	.	.	16

NAME=FOGG POND DATE=11183												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	COL
23021359	0	1.1	6.3	25.1	14	0	0.6667	53.90	9.984	49.380	36.54	24
23021359	0	1.1	6.3	25.1	14	0	0.6667	53.90	.	49.380	.	24
23021359	0	1.1	6.3	25.1	14	0	2.2222	53.90	.	.	.	24
23021359	0	1.1	6.3	25.1	14	0	2.7778	53.90	.	.	.	24
23021359	0	1.1	6.3	25.1	14	0	3.6667	53.90	9.216	50.203	31.32	24
23021359	6	.	6.0	17.6	13	0	2.1111	52.92	7.936	48.557	31.32	19
23021359	6	.	6.0	17.6	13	0	1.6667	52.92	.	48.557	.	19
23021359	6	.	6.0	17.6	13	0	2.5556	52.92	.	.	.	19

NAME=GABCOCK POND DATE=11784												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	WA	COL
23021322	1	3	5.63	25.6	21	30	7.6667	93.59	6.400	28.805	35.670	28
23021322	1	3	5.63	25.6	21	30	6.8889	93.59	6.144	.	36.540	30
23021322	1	3	5.63	25.6	21	30	7.6667	93.59	.	.	.	28
23021322	1	3	5.63	25.6	21	30	.	93.59	.	.	.	30
23021322	4	4	5.65	28.3	21	50	7.2222	91.63	6.144	28.805	15.235	26
23021322	4	4	5.65	28.3	21	50	7.1111	91.63	.	.	.	27

NAME=GARCOCK POND DATE=92383												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021322	0	.	5.78	18	20	50	5.66667	95.55	8.960	31.274	45.24	25
23021322	0	.	5.80	17	19	40	5.22222	.	.	.	.	25
23021322	4	.	5.23	18	18	40	9.77778	74.97	9.728	28.805	36.54	20
23021322	4	.	5.15	15	18	40	9.88889	.	.	.	.	20

NAME=GARCOCK POND DATE=10183												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021322	0	.	5.35	-3.6	20	30	4.33333	68.11	8.448	24.69	40.02	27
23021322	0	.	5.35	-3.6	20	30	4.11111	68.11	8.448	.	.	27
23021322	0	.	5.35	-3.6	20	30	3.44444	68.11	.	.	.	27

NAME=GREEN LAKE DATE=62183												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23009365	0	25	6.30	89	23	10	4.00000	95.06	20.224	27.982	88.740	37
23009365	0	.	6.65	115	25	10	4.44444	.	.	.	.	37
23009365	3	25	7.85	118	24	10	2.22222	89.20	20.480	27.159	87.435	2
23009365	3	.	7.69	124	24	10	2.33333	.	.	.	.	2

NAME=GREEN LAKE DATE=103183												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23009365	0	6	6.85	102.0	24	10	1.33333	81.83	23.808	35.389	101.355	48
23009365	0	6	6.85	102.0	24	10	0.88889	81.83	.	.	.	48
23009365	3	6	6.85	98.3	23	10	0.66667	75.95	23.040	33.743	100.050	44
23009365	3	6	6.85	98.3	23	10	1.11111	75.95	.	.	.	44

NAME=HORSESHOE POND DATE=92383												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021360	0	.	.	.	.	20	5.00000	64.19	7.169	27.159	42.195	21
23021360	0	.	.	.	.	20	5.11111	.	.	.	.	21
23021360	2	.	5.65	9	18	20	4.00000	64.19	7.680	27.159	50.025	26
23021360	2	.	5.53	6	16	20	3.77778	.	.	.	.	26

NAME=HORSESHOE POND DATE=100683												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL
23021360	0	.	5.7	7.5	16	20	3.66667	61.25	5.632	27.159	36.105	39
23021360	0	.	5.7	7.5	16	20	3.11111	61.25	.	.	.	17
23021360	0	.	5.7	7.5	16	20	4.22222	61.25	.	.	.	17

NAME=HORSESHOE POND DATE=101783

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	HG	NA	CL	W03	S03
23021360	0.0	9.9	5.55	1.9	18	40	5.00000	65.17	6.656	27.159	43.935	29	1	78
23021360	0.0	9.9	5.55	1.9	18	40	6.11111	65.17	.	27.159	.	29	1	78
23021360	0.0	9.9	5.55	1.9	18	40	4.55555	65.17	.	.	.	29	1	78
23021360	0.0	9.9	5.55	1.9	18	40	5.11111	65.17	.	.	.	29	1	78
23021360	1.2	9.9	5.50	3.8	19	40	4.00000	69.60	6.656	28.805	43.500	.	.	.
23021360	1.2	.	5.50	3.6	17	40	3.77778	69.09	.	.	.	.	.	.
23021360	1.2	.	5.50	3.6	17	40	6.22222	69.09	.	.	.	.	.	.
23021360	1.2	.	5.50	3.6	17	40	6.11111	69.09	.	.	.	.	.	.

NAME=JOHNSTON POND DATE=11784

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	HG	NA	CL	W03	S03
23021319	1	1.0	5.78	27.5	16	0	3.55556	51.45	7.680	40.327	53.505	30	1	77
23021319	1	1.0	5.78	27.5	16	0	4.00000	51.45	.	.	.	29	1	77
23021319	1	1.0	5.78	27.5	16	0	51.45	51.45	.	.	.	29	1	76
23021319	11	1.4	6.25	31.4	16	10	15.8889	54.88	9.984	41.973	47.415	23	2	74
23021319	11	1.4	6.25	31.4	16	10	13.2222	54.88	.	.	48.720	32	2	74
23021319	11	1.4	6.25	31.4	16	10	12.7778	54.88	.	.	.	32	2	74
23021319	11	1.4	6.25	31.4	16	10	13.2222	54.88	.	.	.	32	2	74

NAME=JOHNSTON POND DATE=83083

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	HG	NA	CL	W03	S03
23021319	0	.	6.45	19	15	0	2.00000	48.02	8.448	36.212	38.28	22	2.5	73
23021319	0	.	6.25	22	15	0	1.77778	52.92	8.448	37.035	34.90	22	2.5	73
23021319	15	.	5.85	31	15	20	6.44444	.	.	.	.	.	.	.
23021319	15	.	5.60	29	15	20	7.00000	.	.	.	.	.	.	.

NAME=JOHNSTON POND DATE=110883

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	HG	NA	CL	W03	S03
23021319	0	4.4	6.35	31.2	16	0	0.33333	47.04	7.680	39.504	35.235	19	2	7
23021319	0	4.4	6.35	31.2	16	0	0.33333	47.04	.	.	.	18	2	7
23021319	0	4.4	6.35	31.2	16	0	0.44444	47.04	.	.	.	18	2	7
23021319	12	.	6.25	27.0	13	0	0.00000	49.00	7.168	38.681	32.625	.	.	.
23021319	12	.	6.25	27.0	13	0	0.00000	49.00	.	.	.	.	.	.
23021319	12	.	6.25	27.0	13	0	0.00000	49.00	.	.	.	.	.	.

NAME=KNOX POND DATE=62183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	HG	NA	CL	W03	S03
23029363	0	25	6.25	29	21	30	9.1111	66.15	13.312	26.336	79.735	.	.	.
23029363	0	.	6.16	33	20	40	8.8889	71.05	12.544	26.336	76.560	40	1	6
23029363	5	14	5.21	31	21	40	13.2222	.	.	.	.	40	1	6
23029363	5	.	5.65	24	22	40	13.3333	.	.	.	.	40	1	6

NAME=PHOX POND DATE=103183													
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	SO3
23029363	0	6.6	6.5	55.8	21	40	6.2222	80.85	14.336	31.274	89.175	55	1.9
23029363	0	6.6	6.5	55.8	21	40	7.5556	80.85	.	.	.	55	1.9
23029363	0	6.6	6.5	55.8	21	40	6.4444	80.85	.	.	.	55	1.9
23029363	6	6.0	6.5	56.6	24	40	8.7778	84.28	14.592	32.920	90.915	55	1.0
23029363	6	6.0	6.5	56.6	24	40	7.4444	84.28	.	32.920	90.045	55	1.0
23029363	6	6.0	6.5	56.6	24	40	7.1111	84.28	.	.	.	55	1.0
23029363	6	6.0	6.5	56.6	24	40	7.0000	84.28	.	.	.	55	1.0

NAME=LITTLE FISHER POND DATE=60183													
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	SO3
23021354	.	.	.	.	.	.	.	.	.	.	.	8	1
23021354	.	14	6.35	62	20	20	29.2222	117.11	6.144	48.557	32.625	8	1
23021354	0	.	5.60	27	20	20	29.6667	.	.	.	.	8	1

NAME=LITTLE FISHER POND DATE=80493													
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	SO3
23021354	.	.	.	.	.	.	.	.	.	.	.	13	4
23021354	.	.	.	.	.	.	.	.	.	.	.	14	4
23021354	0	.	6.35	39	22	50	33.6667	115.64	8.192	38.681	22.185	12	4
23021354	0	.	6.30	40	23	50	34.5556	.	.	.	.	12	4

NAME=LITTLE FISHER POND DATE=102493													
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	SO3
23021354	0.0	10.4	6.40	50.9	32	50	3.6667	125.44	9.216	64.144	53.940	21	3
23021354	0.0	10.4	6.40	50.9	32	50	5.2222	125.44	.	63.371	.	21	3
23021354	0.0	10.4	6.40	50.9	32	50	5.1111	125.44	.	.	.	21	3
23021354	0.5	.	6.55	48.0	28	50	4.7778	119.58	8.192	61.725	49.155	.	.
23021354	0.5	.	6.55	48.0	28	50	3.7778	118.58	8.448	61.725	.	.	.
23021354	0.5	.	6.55	48.0	29	50	5.2222	118.58	.	.	.	.	.

NAME=LITTLE HURD POND DATE=60193													
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	SO3
23021352	0	12	5.95	26	20	10	18.0000	83.79	11.520	22.221	36.975	17	0
23021352	0	.	5.80	21	20	10	19.5556	.	.	.	.	17	0
23021352	5	12	6.00	26	18	10	15.5556	88.20	11.008	20.575	36.975	17	1
23021352	5	.	5.81	22	18	10	17.3333	.	.	.	.	17	1

NAME=LITTLE HURD POND DATE=72783														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021352	0	.	6.35	24	20	0	6.8989	92.32	11.008	21.398	46.980	22	1.5	07
23021352	0	.	6.30	34	20	0	6.5556	.	.	.	47.915	22	35.6	13
23021352	20	.	5.80	40	22	10	13.5556	100.45	11.264	23.867	.	.	.	.
23021352	20	.	5.85	40	21	10	13.7778	.	.	.	.	.	.	.

NAME=LITTLE HURD POND DATE=102483														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021352	0	9.9	6.05	32.1	22	10	3.3333	97.51	13.056	24.690	48.285	24	5	9
23021352	0	9.9	6.05	32.1	22	10	3.6667	97.51	.	.	48.590	24	5	9
23021352	0	9.9	6.05	32.1	22	10	4.7778	97.51	.	.	.	24	10	90
23021352	4	9.4	5.85	39.1	20	10	1.7778	92.12	13.056	23.867	48.720	27	10	92
23021352	4	9.4	5.85	39.1	20	10	3.3333	92.12	.	.	.	27	10	90
23021352	4	9.4	5.85	39.1	20	10	2.0000	92.12	.	.	.	27	10	90
23021352	4	9.4	5.85	39.1	20	10	3.1111	92.12	.	.	.	27	10	90

NAME=LOST POND DATE=11784														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021351	1	2.3	5.25	2.7	20	30	28.1111	75.46	10.240	29.628	37.410	23	3	73
23021351	1	2.3	5.25	2.7	20	30	28.8889	75.46	.	.	.	25	4	75
23021351	1	2.3	5.25	2.7	20	30	.	75.46	.	.	.	23	8	75
23021351	1	2.3	5.25	2.7	20	30	19.3333	75.46	9.728	24.805	36.975	24	3	92
23021351	2	2.4	5.35	3.1	24	40	25.3333	75.46	.	.	37.410	23	3	92
23021351	2	2.4	5.35	3.1	24	40	20.1111	75.46	.	.	.	23	3	92
23021351	2	2.4	5.35	3.1	24	40								

NAME=LOST POND DATE=60183														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021351	0	13	5.35	8	14	40	18.6667	60.27	11.008	20.575	28.710	17	1	7
23021351	0	.	5.08	3	14	40	18.8889	.	10.752	20.575	29.145	17	1	7
23021351	2	13	5.35	5	14	40	19.1111	62.23	.	.	.	16	0	7
23021351	2	.	5.35	2	15	40	18.7778	.	.	.	.	16	0	7

NAME=LOST POND DATE=72093														
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021351	0	.	5.80	6	20	20	8.66667	60.76	11.776	23.867	40.020	23	17.3	81
23021351	0	.	5.55	4	17	30	8.44444	.	14.316	23.044	44.805	23	17.7	81
23021351	1	.	5.75	14	14	30	8.66667	60.27	.	.	.	.	.	.
23021351	1	.	5.65	7	17	30	8.44444	.	.	.	.	.	.	.

NAME=PORTER POND DATE=62393												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	NG	NA	CO
23009361	1	25	6.25	39	18	30	6.33333	79.38	13.056	25.513	79.17	.
23009361	1	.	6.15	41	18	30	6.8889	.	.	.	.	.
23009361	3	25	6.58	46	20	30	6.9893	76.93	12.584	26.116	74.82	.
23009361	3	.	6.35	43	19	30	7.33333	.	.	.	.	.

NAME=PORTER POND DATE=103193												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	NG	NA	CO
23009361	0	6	6.45	49.4	24	20	2.8889	73.99	14.592	30.451	82.65	1.1
23009361	0	.	6.45	45.5	23	20	5.1111	74.97	.	.	.	1.1
23009361	0	.	6.45	45.5	23	20	3.33333	74.97	.	.	.	1.1
23009361	3	6	6.50	48.0	20	20	1.77778	68.11	13.824	27.982	76.56	1.0
23009361	3	6	6.50	48.0	20	20	2.22222	68.11	13.824	.	.	1.0
23009361	3	6	6.50	48.0	20	20	1.66667	68.11	.	.	.	1.0

NAME=TROUT POND DATE=90883												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	NG	NA	CO
23029364	.	.	.	.	.	.	.	.	.	.	.	9
23029364	0	.	6.80	81	28	20	4.33333	101.43	7.68	39.504	69.165	9
23029364	0	.	6.75	84	29	20	5.22222	.	.	.	.	9

NAME=TWIN POND DATE=11784												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	NG	NA	CO
23021320	1	0.3	6.35	70.9	22	0	2.44444	107.31	9.472	27.159	43.935	29
23021320	1	0.3	6.35	70.9	22	0	2.00000	107.31	.	.	.	29
23021320	1	0.3	6.35	70.9	22	0	2.11111	107.31	.	.	.	30
23021320	1	0.3	6.35	70.9	22	0	2.66667	107.31	.	.	.	29
23021320	18	2.9	6.52	63.5	22	10	2.33333	105.84	11.520	27.159	43.935	26
23021320	18	2.9	6.52	63.5	22	10	2.22222	105.84	.	.	.	21
23021320	18	2.9	6.52	63.5	22	10	1.77778	105.84	.	.	.	21
23021320	18	2.9	6.52	63.5	22	10	.	105.84	.	.	.	22
23021320	18	2.9	6.52	63.5	22	10	.	105.84	.	.	.	23

NAME=TWIN POND DATE=90293												
STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	NG	NA	CO
23021320	0	.	6.60	53	21	10	1.77778	92.61	11.52	28.805	47.415	17
23021320	0	.	6.70	53	21	10	1.77778	.	.	.	.	17
23021320	15	.	5.85	53	24	10	4.33333	94.08	10.24	28.805	43.065	.
23021320	15	.	5.95	52	23	10	4.33333	.	.	.	.	.

NAME=UNNAMED POND DATE=60183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021355	.	.	.	.	.	.	.	.	.	.	.	11	1	4
23021355	.	.	.	.	.	.	.	.	.	.	.	2	1	3
23021355	0	15	5.25	8	12	50	11.4444	61.74	10.496	22.221	22.42	12	1	3
23021355	0	.	5.15	12	14	40	11.7778	.	.	.	.	12	1	3

NAME=UNNAMED POND DATE=80983

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021355	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	0	.	6.05	25	17	80	9.8889	78.89	19.712	27.982	78.42	.	.	.
23021355	0	.	6.10	22	18	70	9.4444	.	.	.	.	.	.	.

NAME=UNNAMED POND DATE=10183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23021355	0.0	9.4	6.05	24.2	19	70	5.5556	66.64	8.704	27.159	30.015	13	5.2	47
23021355	0.0	9.4	6.05	24.2	19	70	4.3333	66.64	.	.	.	13	5.2	47
23021355	0.0	9.4	6.05	24.2	19	70	3.5556	66.64	.	.	.	13	5.2	47
23021355	1.2	9.4	6.05	30.2	19	60	4.3333	65.17	8.704	26.336	29.580	.	.	.
23021355	1.2	9.4	6.05	30.2	19	60	4.8889	65.17	8.704	.	.	.	.	.
23021355	1.2	9.4	6.05	30.2	19	60	4.3333	65.17	.	.	.	.	.	.

73

NAME=UPPER PUG POND DATE=62483

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23019362	1	25	6.75	78	25	20	5.8989	120.54	12.544	39.504	76.125	.	.	.
23019362	1	.	6.59	84	24	20	6.3333	.	.	.	.	.	.	.
23019362	3	24	6.45	80	24	20	7.7778	116.62	11.008	36.212	66.555	31	0	7
23019362	3	.	6.25	83	23	20	7.7778	.	.	.	.	31	0	.

NAME=UPPER WUG POND DATE=11183

STATCO	DEPTH	TEMP	PH	ALK	COND	COLOR	AL	CA	K	MG	NA	CL	NO3	SO4
23019362	0	.	6.95	102	32	20	1.3333	123.97	11.008	43.619	65.250	30	.	3
23019362	0	.	6.95	102	32	20	1.6667	123.97	.	.	.	30	.	3
23019362	3	.	7.05	101	26	10	0.0000	125.44	11.008	43.619	66.555	27	1	7
23019362	3	.	6.95	109	25	10	1.0000	126.42	.	.	.	27	1	.

Appendix B. Fish collection data from the study lakes.

----- NAME=BEAR POND DATE=82082 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021366	1	GN	215	99	M	2	30	14	24	.	.	.	.	.	.	.	.
23021366	2	GN	226	113	F	2	31	13	23	.	.	.	.	.	.	.	.
23021366	3	GN	195	71	F	2	35	13	26	.	.	.	.	.	.	.	.
23021366	4	GN	205	81	M	2	38	12	27	.	.	.	.	.	.	.	.
23021366	5	GN	178	51	F	2	26	11	19	.	.	.	.	.	.	.	.
23021366	6	GN	235	116	M	2	37	12	29	.	.	.	.	.	.	.	.
23021366	7	GN	161	44	F	2	21	8	16	.	.	.	.	.	.	.	.
23021366	8	GN	203	79	F	2	22	8	15	.	.	.	.	.	.	.	.
23021366	9	GN	237	124	F	2	32	9	20	.	.	.	.	.	.	.	.
23021366	10	GN	176	52	F	2	23	8	16	.	.	.	.	.	.	.	.

----- NAME=BEAR POND DATE=82082 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021366	1	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	2	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	3	MT	110	12	.	2	194	127	177	.	.	.	.	.	.	.	.
23021366	4	MT	125	20	.	2	200	145	180	.	.	.	.	.	.	.	.
23021366	5	MT	120	22	M	2	213	105	177	.	.	.	.	.	.	.	.
23021366	6	MT	120	15	.	2	179	107	145	.	.	.	.	.	.	.	.
23021366	7	MT	121	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	8	MT	126	20	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BEAR POND DATE=82082 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021366	1	GN	185	62	.	2	246	135	204	.	.	.	.	.	.	.	.
23021366	2	GN	180	53	.	2	210	115	172	.	.	.	.	.	.	.	.
23021366	3	GN	179	54	M	.	.	.	.	.	.	.	.	.	.	.	.
23021366	4	GN	176	51	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	5	GN	175	47	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	6	GN	180	52	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	7	GN	159	44	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	8	GN	165	44	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	9	GN	175	50	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	10	GN	162	39	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	11	GN	170	41	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	12	GN	169	44	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	13	GN	112	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	14	GN	176	51	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	15	GN	171	45	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	16	GN	164	40	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	17	GN	109	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	18	GN	110	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	19	GN	165	40	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	20	GN	175	47	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	21	GN	110	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	22	GN	115	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	23	GN	115	15	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BEAR POND DATE=82082 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021366	24	GN	115	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	25	GN	116	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	26	GN	128	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	27	GN	172	48	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	28	GN	145	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	29	GN	122	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	30	GN	115	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	31	GN	119	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	32	GN	120	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	33	GN	130	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	34	GN	126	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	35	MT	119	18	1	158	103	.	.	.	.	.	.	.	.	.	.
23021366	36	MT	125	18	1	137	84	.	.	.	.	.	.	.	.	.	.
23021366	37	MT	133	20	2	180	72	124	.	.	.	.	.	.	.	.	.
23021366	38	MT	140	27	1	152	101	.	.	.	.	.	.	.	.	.	.
23021366	39	MT	116	14	1	151	96	.	.	.	.	.	.	.	.	.	.
23021366	40	MT	114	13	1	123	93	.	.	.	.	.	.	.	.	.	.
23021366	41	MT	100	10	1	145	78	.	.	.	.	.	.	.	.	.	.
23021366	42	MT	100	11	1	131	81	.	.	.	.	.	.	.	.	.	.
23021366	43	MT	118	15	1	152	77	.	.	.	.	.	.	.	.	.	.
23021366	44	MT	116	11	1	123	82	.	.	.	.	.	.	.	.	.	.
23021366	45	MT	87	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	46	MT	107	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	47	MT	116	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	48	MT	95	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	49	MT	122	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	50	MT	100	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	51	MT	105	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	52	MT	104	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	53	MT	103	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	54	MT	112	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	55	MT	115	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	56	MT	82	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	57	MT	95	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	58	MT	82	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	59	MT	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	60	MT	82	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	61	MT	85	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	62	MT	92	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	63	MT	95	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	64	MT	110	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	65	MT	120	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	66	MT	98	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	67	MT	72	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	68	MT	85	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	69	MT	100	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	70	MT	74	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	71	MT	77	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	72	MT	99	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	73	MT	82	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	74	MT	84	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	75	MT	85	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	76	MT	85	8	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BEAR POND DATE=82082 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	PAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021366	77	MT	90	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	78	MT	92	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	79	MT	90	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	80	MT	88	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	81	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	92	MT	82	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	83	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	84	MT	95	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	85	MT	85	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	86	MT	85	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	87	MT	98	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	88	MT	80	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	89	MT	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	90	MT	89	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	91	MT	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	92	MT	86	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	93	MT	90	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	94	MT	92	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	95	MT	73	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	96	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	97	MT	92	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	98	MT	100	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	99	MT	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	100	MT	81	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	101	MT	90	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	102	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	103	MT	89	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	104	MT	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	105	MT	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	106	MT	95	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	107	MT	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	108	MT	75	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	109	MT	71	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	110	MT	66	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	111	MT	85	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	112	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	113	MT	81	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	114	MT	70	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	115	MT	128	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	116	MT	115	11	1	160	90	.	.	.	.	.	.	.	.	.	.
23021366	117	MT	119	15	1	157	108	.	.	.	.	.	.	.	.	.	.
23021366	118	MT	122	14	1	158	97	.	.	.	.	.	.	.	.	.	.
23021366	119	MT	120	16	M	1	195	118	.	.	.	.	.	.	.	.	.

----- NAME=BEAR POND DATE=82082 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021366	1	MT	109	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	2	MT	95	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	3	MT	90	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	4	MT	88	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	5	MT	112	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	6	MT	98	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	7	MT	84	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	8	MT	115	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	9	MT	82	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	10	MT	84	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	11	MT	92	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021366	12	MT	78	3	1	109	90	.	.	.	.	.	.	.	.	.	.
23021366	13	MT	89	5	1	112	77	.	.	.	.	.	.	.	.	.	.
23021366	14	MT	79	4	1	115	75	.	.	.	.	.	.	.	.	.	.
23021366	15	MT	72	3	1	99	78	.	.	.	.	.	.	.	.	.	.
23021366	16	MT	70	3	1	91	75	.	.	.	.	.	.	.	.	.	.
23021366	17	MT	70	3	1	71	56	.	.	.	.	.	.	.	.	.	.
23021366	18	MT	79	4	1	95	87	.	.	.	.	.	.	.	.	.	.
23021366	19	MT	69	2	1	81	53	.	.	.	.	.	.	.	.	.	.
23021366	20	MT	82	5	1	104	88	.	.	.	.	.	.	.	.	.	.
23021366	21	MT	62	2	1	79	61	.	.	.	.	.	.	.	.	.	.
23021366	22	MT	90	6	2	124	58	112	.	.	.	.	.	.	.	.	.
23021366	23	MT	69	2	1	88	73	.	.	.	.	.	.	.	.	.	.
23021366	24	MT	75	3	1	87	71	.	.	.	.	.	.	.	.	.	.
23021366	25	MT	60	1	1	94	70	.	.	.	.	.	.	.	.	.	.
23021366	26	MT	70	3	1	107	81	.	.	.	.	.	.	.	.	.	.
23021366	27	MT	75	4	1	93	78	.	.	.	.	.	.	.	.	.	.
23021366	28	MT	61	2	1	81	67	.	.	.	.	.	.	.	.	.	.
23021366	29	MT	60	1	1	79	60	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	GN	212	110	M	2	29	16	24	.	.	.	.	.	.	.	.
23021353	2	GN	284	277	F	3	38	10	19	.	.	.	.	.	.	.	.
23021353	3	GN	298	296	F	3	44	13	24	.	.	.	.	.	.	.	.
23021353	4	GN	257	164	M	3	40	11	21	.	.	.	.	.	.	.	.
23021353	5	GN	218	91	F	2	40	17	29	.	.	.	.	.	.	.	.
23021353	6	GN	280	238	F	3	33	13	24	.	.	.	.	.	.	.	.
23021353	7	GN	214	111	.	2	32	16	28	.	.	.	.	.	.	.	.
23021353	8	GN	225	127	F	2	31	10	21	.	.	.	.	.	.	.	.
23021353	9	GN	182	62	M	2	40	18	32	.	.	.	.	.	.	.	.
23021353	10	GN	187	71	F	2	38	16	29	.	.	.	.	.	.	.	.
23021353	11	GN	185	63	F	2	36	15	26	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	MT	130	34	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	PAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	2	GN	130	34	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	GN	127	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	2	GN	114	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	3	GN	104	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	4	GN	103	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	5	GN	103	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	6	GN	107	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	7	GN	108	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	8	GN	118	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	9	GN	112	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	10	GN	107	13	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=CREPK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	GN	162	52	.	2	190	60	115	.	.	.	.	.	.	.	.
23021353	2	GN	166	.	.	2	215	70	142	.	.	.	.	.	.	.	.
23021353	3	GN	164	.	.	2	220	76	157	.	.	.	.	.	.	.	.
23021353	4	GN	164	51	.	2	155	50	111	.	.	.	.	.	.	.	.
23021353	5	GN	164	44	.	2	190	63	122	.	.	.	.	.	.	.	.
23021353	6	GN	166	48	.	2	195	69	138	.	.	.	.	.	.	.	.
23021353	7	GN	163	39	.	2	201	80	146	.	.	.	.	.	.	.	.
23021353	8	GN	182	57	.	3	210	65	103	.	.	.	.	.	.	.	.
23021353	9	GN	164	49	.	2	222	85	155	.	.	.	.	.	.	.	.
23021353	10	MT	107	12	.	1	125	74	.	.	.	.	.	.	.	.	.
23021353	11	MT	132	24	.	1	125	68	.	.	.	.	.	.	.	.	.
23021353	12	GN	109	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	13	GN	117	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	14	GN	105	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	15	GN	107	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	16	GN	111	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	17	GN	111	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	18	GN	110	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	19	GN	118	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	20	GN	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	21	GN	117	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	22	GN	124	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	23	GN	115	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	24	GN	110	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	25	GN	113	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	26	GN	104	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	27	GN	118	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	28	GN	117	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	29	GN	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	30	GN	113	15	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	31	GN	107	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	32	GN	115	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	33	GN	108	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	34	GN	117	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	35	GN	119	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	36	GN	108	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	37	GN	111	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	38	GN	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	39	GN	102	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	40	GN	103	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	41	GN	110	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	42	GN	102	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	43	GN	113	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	44	GN	109	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	45	GN	107	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	46	GN	106	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	47	GN	119	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	48	GN	114	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	49	GN	117	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	50	GN	120	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	51	GN	107	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	52	GN	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	53	GN	114	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	54	GN	110	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	55	GN	107	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	56	GN	113	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	57	GN	113	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	58	GN	105	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	59	GN	112	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	60	GN	102	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	61	GN	112	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	62	GN	112	15	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=CYPRINDAP SP. -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	MT	97	10	.	2	70	22	47	.	.	.	.	.	.	.	.
23021353	2	MT	72	4	.	1	30	20	.	.	.	.	.	.	.	.	.
23021353	3	MT	79	5	.	1	24	19	.	.	.	.	.	.	.	.	.
23021353	4	MT	93	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	5	MT	72	4	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=FALLFISH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	GN	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	2	GN	100	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	3	GN	100	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	4	GN	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	5	GN	115	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	6	GN	110	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	7	GN	107	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=FINESCALE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	2	MT	53	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	3	MT	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	4	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	5	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	6	MT	70	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	7	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	8	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	9	MT	68	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	10	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	11	MT	67	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	12	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	13	MT	71	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	14	MT	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	15	MT	70	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	16	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	17	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	18	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	19	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	20	MT	75	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	21	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	22	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	23	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	24	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	25	MT	70	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	26	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	27	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	28	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	29	MT	71	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	30	MT	80	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	GN	110	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	2	GN	112	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	3	GN	110	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	4	GN	109	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	5	GN	96	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	6	GN	102	9	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=NO.REDBELLY DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	2	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	3	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	4	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	5	MT	71	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	6	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	7	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	8	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	9	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	10	MT	43	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	11	MT	44	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	12	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	13	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	14	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	15	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	16	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	17	MT	73	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	18	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	19	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	20	MT	68	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	21	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	22	MT	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	23	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	24	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	25	MT	53	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	26	MT	49	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	27	MT	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	28	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	29	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	30	MT	49	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	31	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	32	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	33	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	34	MT	47	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	35	MT	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	36	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	37	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	38	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	39	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	40	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	41	MT	48	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=NO.REDBELLY DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	42	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	43	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	44	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	45	MT	48	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	46	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	47	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	48	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	49	MT	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	50	MT	98	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	51	MT	95	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	52	MT	73	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	53	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	54	MT	82	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=PEARL DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	MT	96	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	2	MT	75	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	3	MT	89	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	4	MT	99	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	5	MT	81	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=WHITE SUCKPP -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	1	GN	191			3	201	44	84	.	.	.	.	.	.	.	.
23021353	2	GN	311	336	F	3	200	39	88	.	.	.	.	.	.	.	.
23021353	3	GN	287	249	M	3	160	65	88	.	.	.	.	.	.	.	.
23021353	4	GN	349	488	F	3	193	32	89	.	.	.	.	.	.	.	.
23021353	5	GN	218	110		1	130	69	.	.	.	.	.	.	.	.	.
23021353	6	GN	209	98	M	1	97	42	.	.	.	.	.	.	.	.	.
23021353	7	GN	123	19		0	55	.	.	.	.	.	.	.	.	.	.
23021353	8	GN	119	19		0	53	.	.	.	.	.	.	.	.	.	.
23021353	9	GN	318	390	M	3	189	58	85	.	.	.	.	.	.	.	.
23021353	10	GN	241	179	M	2	116	40	75	.	.	.	.	.	.	.	.
23021353	11	GN	211	110	F	1	112	51	.	.	.	.	.	.	.	.	.
23021353	12	GN	213	107	M	1	122	54	.	.	.	.	.	.	.	.	.
23021353	13	GN	214	105		1	120	54	.	.	.	.	.	.	.	.	.
23021353	14	GN	183	71		1	88	35	.	.	.	.	.	.	.	.	.
23021353	15	GN	217	112		1	125	55	.	.	.	.	.	.	.	.	.
23021353	16	GN	203	96	F	1	115	58	.	.	.	.	.	.	.	.	.
23021353	17	GN	234	146		2	149	56	79	.	.	.	.	.	.	.	.
23021353	18	GN	198	90	M	1	106	49	.	.	.	.	.	.	.	.	.
23021353	19	GN	176	67		1	105	41	.	.	.	.	.	.	.	.	.
23021353	20	GN	181	72	M	1	101	50	.	.	.	.	.	.	.	.	.
23021353	21	GN	339	494	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	22	GN	287	278	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	23	GN	321	368	M	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	24	GN	287	323	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	25	GN	294	275	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	26	GN	269	225	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	27	GN	342	474	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	28	GN	274	235	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	29	GN	213	110	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	30	GN	246	179	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	31	GN	226	133	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	32	GN	233	139	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	33	GN	244	158	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	34	GN	218	113	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	35	GN	218	120	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	36	GN	231	136	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	37	GN	228	138	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	38	GN	241	156	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	39	GN	218	117	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	40	GN	205	97	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	41	GN	224	115	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	42	GN	223	127	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	43	GN	206	95	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	44	GN	264	230	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	45	GN	211	101	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	46	GN	232	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	47	GN	222	124	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	48	GN	261	200	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	49	GN	211	108	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	50	GN	207	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	51	GN	270	105	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	52	GN	214	108	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	53	GN	234	141	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	54	GN	242	165	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	55	GN	218	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	56	GN	228	125	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	57	GN	226	117	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	58	GN	219	100	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	59	GN	228	122	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	60	GN	221	109	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	61	GN	233	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	62	GN	194	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	63	GN	221	116	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	64	GN	218	115	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	65	GN	208	93	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	66	GN	229	106	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	67	GN	243	162	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	68	GN	250	150	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	69	GN	224	139	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	70	GN	229	134	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	71	GN	241	159	.	.	.	.	.	.	.	.	.	.	.	.	.
23021353	72	GN	221	129	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	73	GN	223	113	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	74	GN	228	130	F	.	.	.	.	.	.	.	.	.	.	.	.
23021353	75	GN	241	165	M	.	.	.	.	.	.	.	.	.	.	.	.
23021353	76	GN	210	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BIG FISHER POND DATE=80483 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021353	77	GN	146	.			.	.	.	.	.	.	.	.	.	.	.
23021353	78	GN	214	101			.	.	.	.	.	.	.	.	.	.	.
23021353	79	GN	222	126	M		.	.	.	.	.	.	.	.	.	.	.
23021353	80	GN	246	168	F		.	.	.	.	.	.	.	.	.	.	.
23021353	81	GN	230	138			.	.	.	.	.	.	.	.	.	.	.
23021353	82	GN	234	.			.	.	.	.	.	.	.	.	.	.	.
23021353	83	GN	209	.			.	.	.	.	.	.	.	.	.	.	.
23021353	84	GN	224	118			.	.	.	.	.	.	.	.	.	.	.
23021353	85	GN	192	93			.	.	.	.	.	.	.	.	.	.	.
23021353	86	GN	230	148	F		.	.	.	.	.	.	.	.	.	.	.
23021353	87	GN	197	81	M		.	.	.	.	.	.	.	.	.	.	.
23021353	88	GN	186	72	M		.	.	.	.	.	.	.	.	.	.	.
23021353	89	GN	207	105	M		.	.	.	.	.	.	.	.	.	.	.
23021353	90	GN	164	.			.	.	.	.	.	.	.	.	.	.	.
23021353	91	GN	184	69			.	.	.	.	.	.	.	.	.	.	.
23021353	92	GN	180	70			.	.	.	.	.	.	.	.	.	.	.
23021353	93	GN	212	102			.	.	.	.	.	.	.	.	.	.	.
23021353	94	GN	222	115	F		.	.	.	.	.	.	.	.	.	.	.
23021353	95	GN	192	.			.	.	.	.	.	.	.	.	.	.	.
23021353	96	GN	191	80	M		.	.	.	.	.	.	.	.	.	.	.
23021353	97	GN	182	67			.	.	.	.	.	.	.	.	.	.	.
23021353	98	GN	186	73			.	.	.	.	.	.	.	.	.	.	.
23021353	99	GN	168	48			.	.	.	.	.	.	.	.	.	.	.
23021353	100	GN	209	102	F		.	.	.	.	.	.	.	.	.	.	.
23021353	101	GN	187	77			.	.	.	.	.	.	.	.	.	.	.
23021353	102	GN	166	.			.	.	.	.	.	.	.	.	.	.	.
23021353	103	GN	162	51			.	.	.	.	.	.	.	.	.	.	.
23021353	104	GN	180	.			.	.	.	.	.	.	.	.	.	.	.
23021353	105	GN	163	49			.	.	.	.	.	.	.	.	.	.	.
23021353	106	GN	184	71			.	.	.	.	.	.	.	.	.	.	.
23021353	107	GN	189	71			.	.	.	.	.	.	.	.	.	.	.
23021353	108	GN	162	50			.	.	.	.	.	.	.	.	.	.	.
23021353	109	GN	221	123			.	.	.	.	.	.	.	.	.	.	.
23021353	110	GN	161	49			.	.	.	.	.	.	.	.	.	.	.
23021353	111	GN	170	56			.	.	.	.	.	.	.	.	.	.	.
23021353	112	GN	213	.			.	.	.	.	.	.	.	.	.	.	.
23021353	113	GN	201	94			.	.	.	.	.	.	.	.	.	.	.
23021353	114	GN	184	63			.	.	.	.	.	.	.	.	.	.	.
23021353	115	GN	172	.			.	.	.	.	.	.	.	.	.	.	.
23021353	116	GN	196	82			.	.	.	.	.	.	.	.	.	.	.
23021353	117	GN	205	95			.	.	.	.	.	.	.	.	.	.	.
23021353	118	GN	181	72			.	.	.	.	.	.	.	.	.	.	.
23021353	119	GN	122	.			.	.	.	.	.	.	.	.	.	.	.
23021353	120	GN	187	81			.	.	.	.	.	.	.	.	.	.	.
23021353	121	GN	186	82			.	.	.	.	.	.	.	.	.	.	.
23021353	122	GN	104	.			.	.	.	.	.	.	.	.	.	.	.
23021353	123	GN	158	45			.	.	.	.	.	.	.	.	.	.	.
23021353	124	GN	112	20			.	.	.	.	.	.	.	.	.	.	.
23021353	125	GN	157	45			.	.	.	.	.	.	.	.	.	.	.
23021353	126	GN	184	68			.	.	.	.	.	.	.	.	.	.	.
23021353	127	GN	108	.			.	.	.	.	.	.	.	.	.	.	.
23021353	128	GN	107	.			.	.	.	.	.	.	.	.	.	.	.
23021353	129	GN	104	.			.	.	.	.	.	.	.	.	.	.	.

----- NAME=BROWNS POND DATE=90982 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23005360	1	GN	270	216	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=BROWNS POND DATE=90982 SPECIES=CHAIN PICKEREL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23005360	1	GN	264	95	F	2	163 69	123	.	.	.	.	.	.	.	.	.
23005360	2	GN	200	38	F	1	91 60	.	.	.	.	.	.	.	.	.	.
23005360	3	GN	358	225	M	3	194 74	135	.	.	.	.	.	.	.	.	.
23005360	4	GN	404	382	M	5	195 95	122 173 188	.	.	.	.	.	.	.	.	.
23005360	5	GN	245	72	M	2	152 65	135	.	.	.	.	.	.	.	.	.
23005360	6	GN	398	358	M	5	239 97	168 224 231	.	.	.	.	.	.	.	.	.
23005360	7	GN	377	.	F	4	207 81	124 184	.	.	.	.	.	.	.	.	.
23005360	8	GN	180	.	.	1	123 79	.	.	.	.	.	.	.	.	.	.
23005360	9	GN	460	.	M	5	234 86	122 177 208	.	.	.	.	.	.	.	.	.
23005360	10	GN	440	.	M	5	248 67	126 219 238	.	.	.	.	.	.	.	.	.

----- NAME=BROWNS POND DATE=90982 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23005360	1	GN	160	41	.	3	245 90 152	.	.	.	.	.	.	.	.	.	.
23005360	2	GN	214	115	.	5	275 110 172 236 263	.	.	.	.	.	.	.	.	.	.
23005360	3	GN	171	50	.	4	191 50 111 180	.	.	.	.	.	.	.	.	.	.
23005360	4	GN	165	40	.	4	156 37 87 148	.	.	.	.	.	.	.	.	.	.
23005360	5	GN	185	72	.	5	265 73 162 226 248	.	.	.	.	.	.	.	.	.	.
23005360	6	GN	184	58	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	7	GN	189	71	.	5	230 86 155 210 221	.	.	.	.	.	.	.	.	.	.
23005360	8	GN	180	78	.	5	322 112 195 290 310	.	.	.	.	.	.	.	.	.	.
23005360	9	GN	180	60	.	5	261 100 190 240 251	.	.	.	.	.	.	.	.	.	.
23005360	10	GN	120	47	.	.	254 101 143 236	.	.	.	.	.	.	.	.	.	.
23005360	11	GN	168	47	.	4	273 118 165 262	.	.	.	.	.	.	.	.	.	.

----- NAME=BROWNS POND DATE=90982 SPECIES=YELLOW PERCH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23005360	1	GN	276	255	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	2	GN	260	216	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	3	GN	250	201	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	4	GN	250	185	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	5	GN	255	198	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	6	GN	192	82	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	7	GN	248	167	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	8	GN	275	223	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	9	GN	260	204	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	10	GN	239	160	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	11	GN	186	72	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	12	GN	176	60	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	13	GN	139	29	.	2	201 53 142	.	.	.	.	.	.	.	.	.	.

----- NAME=BROWNS POND DATE=90982 SPECIES=YELLOW PERCH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23005360	14	GN	235	135	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	15	GN	150	32	.	2	245	68	175	.	.	.	.	.	.	.	.
23005360	16	GN	180	71	M	4	245	49	119	224	.	.	.	.	.	.	.
23005360	17	GN	219	130	M	4	209	69	119	187	.	.	.	.	.	.	.
23005360	18	GN	175	60	F	3	245	46	129	.	.	.	.	.	.	.	.
23005360	19	GN	181	71	.	3	233	47	105	.	.	.	.	.	.	.	.
23005360	20	GN	186	72	M	4	273	61	142	248	.	.	.	.	.	.	.
23005360	21	GN	149	35	.	2	178	53	119	.	.	.	.	.	.	.	.
23005360	22	GN	224	136	M	4	208	45	105	185	.	.	.	.	.	.	.
23005360	23	GN	175	62	M	3	252	51	130	.	.	.	.	.	.	.	.
23005360	24	GN	189	76	M	4	303	60	135	289	.	.	.	.	.	.	.
23005360	25	GN	250	.	M	5	315	61	131	270	297	.	.	.	.	.	.
23005360	26	GN	179	70	.	4	262	56	129	233	.	.	.	.	.	.	.
23005360	27	GN	154	41	.	3	229	53	107	.	.	.	.	.	.	.	.
23005360	28	GN	159	47	M	3	231	51	124	.	.	.	.	.	.	.	.
23005360	29	GN	179	64	M	4	266	37	110	236	.	.	.	.	.	.	.
23005360	30	GN	170	60	M	4	203	44	88	165	.	.	.	.	.	.	.
23005360	31	GN	150	43	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	32	GN	188	64	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	33	GN	100	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	34	GN	175	60	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	35	GN	195	86	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	36	GN	118	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	37	GN	145	34	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	38	GN	148	35	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	39	GN	165	54	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	40	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23005360	41	GN	150	39	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	42	GN	239	.	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	43	GN	295	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	44	GN	249	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	45	GN	242	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	46	GN	264	.	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	47	GN	195	.	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	48	GN	255	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	49	GN	260	.	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	50	GN	265	.	M	.	.	.	.	.	.	.	.	.	.	.	.
23005360	51	GN	265	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	52	GN	272	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	53	GN	240	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	54	GN	260	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	55	GN	244	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	56	GN	266	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	57	GN	261	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	58	GN	275	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	59	GN	263	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	60	GN	248	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	61	GN	289	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	62	GN	255	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	63	GN	231	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	64	GN	250	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	65	GN	250	.	F	.	.	.	.	.	.	.	.	.	.	.	.
23005360	66	GN	246	.	M	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=CLOUD POND DATE=92983 SPECIES=EMPTY -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021335	.	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021335	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=CRATER POND DATE=92983 SPECIES=EMPTY -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021333	.	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021333	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=DAVIS POND DATE=90182 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23011367	1	GN	288	293	M	3	44	15	26	.	.	.	.	.	.	.	.

----- NAME=DAVIS POND DATE=90182 SPECIES=CHAIN PICKEREL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23011367	1	GN	282	122	F	2	140	37	98	.	.	.	.	.	.	.	.
23011367	2	GN	332	203	F	2	124	46	103	.	.	.	.	.	.	.	.
23011367	3	GN	300	161	M	2	138	39	116	.	.	.	.	.	.	.	.
23011367	4	GN	280	123	F	2	151	38	84	.	.	.	.	.	.	.	.
23011367	5	GN	280	114	F	2	105	49	82	.	.	.	.	.	.	.	.
23011367	6	GN	275	116	F	2	163	43	103	.	.	.	.	.	.	.	.
23011367	7	GN	177	26	F	1	65	30	.	.	.	.	.	.	.	.	.
23011367	8	GN	292	144	M	2	163	40	95	.	.	.	.	.	.	.	.
23011367	9	MT	132	10	M	1	79	32	.	.	.	.	.	.	.	.	.

----- NAME=EIGHTEEN POND DATE=70684 SPECIES=CHAIN PICKEREL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021356	1	GN	157	22	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	2	GN	159	22	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	3	GN	143	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	4	GN	164	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	5	GN	179	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	6	GN	168	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	7	GN	153	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	8	GN	181	28	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	9	GN	216	51	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	10	GN	232	58	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	11	GN	228	55	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	12	GN	254	74	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	13	GN	266	92	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	14	GN	278	113	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	15	GN	287	117	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=EIGHTEEN POND DATE=70684 SPECIES=CHAIN PICKEREL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021356	16	GN	303	141	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	17	GN	423	408	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	1	MT	188	30	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=EIGHTEEN POND DATE=70684 SPECIES=EMPTY -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021356	.	TN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=EIGHTEEN POND DATE=70684 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021356	1	GN	142	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	2	GN	110	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	3	GN	124	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	4	GN	175	53	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	5	GN	136	25	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	6	GN	111	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	7	GN	110	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	8	GN	98	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	9	GN	126	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	10	GN	142	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	11	GN	93	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	12	GN	142	25	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	13	GN	120	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	14	GN	87	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	15	GN	87	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	16	GN	79	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	17	GN	88	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	18	GN	86	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	19	GN	89	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	20	GN	95	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	21	GN	88	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	22	GN	143	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	23	GN	104	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	24	GN	116	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021356	25	GN	103	9	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=EIGHTEEN POND DATE=82483 SPECIES=CHAIN PICKEREL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021356	101	GN	314	163	M	2	147	49	101	.	.	.	.	.	.	.	.
23021356	2	GN	457	659	M	4	162	60	113	153	.	.	.	.	.	.	.
23021356	3	GN	455	549	F	4	222	86	133	207	.	.	.	.	.	.	.
23021356	4	GN	282	131	M	2	138	54	105	.	.	.	.	.	.	.	.
23021356	5	GN	198	35	F	1	123	98	.	.	.	.	.	.	.	.	.
23021356	6	GN	195	33	.	1	72	42	.	.	.	.	.	.	.	.	.
23021356	7	GN	342	216	M	3	185	67	130	.	.	.	.	.	.	.	.
23021356	8	MT	82	3	.	0	78	.	.	.	.	.	.	.	.	.	.

----- NAME=EIGHTEEN POND DATE=82483 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021356	1	GN	132	21	.	2	176	80	140	.	.	.	.	.	.	.	.
23021356	2	GN	107	9	.	2	173	90	138	.	.	.	.	.	.	.	.
23021356	3	GN	119	13	.	2	174	92	132	.	.	.	.	.	.	.	.
23021356	4	GN	120	14	.	2	173	76	145	.	.	.	.	.	.	.	.
23021356	5	GN	114	11	.	2	172	70	121	.	.	.	.	.	.	.	.

----- NAME=FOGG POND DATE=91483 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021359	1	GN	229	134	F	2	38	16	29	.	.	.	.	.	.	.	.
23021359	2	GN	195	78	F	2	33	14	25	.	.	.	.	.	.	.	.
23021359	3	GN	195	74	M	2	42	20	30	.	.	.	.	.	.	.	.
23021359	4	GN	175	52	F	2	40	15	30	.	.	.	.	.	.	.	.
23021359	5	GN	182	57	M	2	42	15	32	.	.	.	.	.	.	.	.
23021359	6	GN	205	80	M	2	45	15	32	.	.	.	.	.	.	.	.
23021359	7	GN	198	75	F	2	46	14	29	.	.	.	.	.	.	.	.
23021359	8	GN	208	89	M	2	40	15	29	.	.	.	.	.	.	.	.
23021359	9	GN	196	76	M	2	34	13	24	.	.	.	.	.	.	.	.
23021359	10	GN	192	68	M	2	30	10	21	.	.	.	.	.	.	.	.
23021359	11	GN	202	80	M	2	36	13	25	.	.	.	.	.	.	.	.
23021359	12	GN	301	281	M	3	47	12	26	.	.	.	.	.	.	.	.
23021359	13	GN	178	54	M	2	32	15	24	.	.	.	.	.	.	.	.
23021359	14	GN	209	96	M	2	42	15	29	.	.	.	.	.	.	.	.
23021359	15	GN	185	59	M	2	30	11	20	.	.	.	.	.	.	.	.
23021359	16	GN	205	85	M	2	41	17	32	.	.	.	.	.	.	.	.
23021359	17	GN	200	78	F	2	38	15	26	.	.	.	.	.	.	.	.
23021359	18	GN	198	80	F	2	37	14	27	.	.	.	.	.	.	.	.
23021359	19	GN	355	461	M	4	53	12	23	44	.	.	.	.	.	.	.
23021359	20	GN	270	237	F	3	48	17	29	.	.	.	.	.	.	.	.
23021359	21	GN	304	318	M	3	47	15	30	.	.	.	.	.	.	.	.
23021359	22	GN	185	56	M	2	32	14	23	.	.	.	.	.	.	.	.
23021359	23	GN	172	51	M	2	35	12	25	.	.	.	.	.	.	.	.
23021359	24	GN	189	64	F	2	37	13	27	.	.	.	.	.	.	.	.
23021359	25	GN	208	97	M	2	40	16	29	.	.	.	.	.	.	.	.
23021359	26	GN	188	67	F	2	36	13	28	.	.	.	.	.	.	.	.
23021359	27	GN	201	76	F	2	37	11	26	.	.	.	.	.	.	.	.
23021359	28	GN	202	75	M	2	40	16	28	.	.	.	.	.	.	.	.

----- NAME=FOGG POND DATE=91483 SPECIES=PEARL DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021359	1	GN	75	4		.	59	45	.	.	.	.	.	.	.	.	.
23021359	2	GN	76	5		1	58	44	.	.	.	.	.	.	.	.	.
23021359	3	GN	119	14	F	3	120	62	83	.	.	.	.	.	.	.	.
23021359	4	GN	98	9	M	2	77	54	69	.	.	.	.	.	.	.	.
23021359	5	GN	95	8	M	2	74	47	61	.	.	.	.	.	.	.	.
23021359	6	GN	100	10	F	2	93	57	82	.	.	.	.	.	.	.	.
23021359	7	GN	96	8	M	2	82	59	71	.	.	.	.	.	.	.	.
23021359	8	GN	100	9	F	2	74	41	64	.	.	.	.	.	.	.	.
23021359	9	GN	105	11	F	2	92	49	84	.	.	.	.	.	.	.	.
23021359	10	GN	80	6		1	71	48	.	.	.	.	.	.	.	.	.
23021359	11	GN	134	17	F	3	121	58	94	.	.	.	.	.	.	.	.
23021359	12	GN	115	13		2	115	65	103	.	.	.	.	.	.	.	.
23021359	13	GN	126	18	F	3	108	53	90	.	.	.	.	.	.	.	.
23021359	14	GN	124	15		3	98	54	74	.	.	.	.	.	.	.	.
23021359	15	GN	129	18	F	3	118	54	80	.	.	.	.	.	.	.	.
23021359	16	GN	125	15	F	2	95	51	83	.	.	.	.	.	.	.	.
23021359	17	GN	130	15	F	3	105	50	82	.	.	.	.	.	.	.	.
23021359	18	GN	120	16	F	3	90	39	65	.	.	.	.	.	.	.	.
23021359	19	GN	95	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	20	GN	85	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	21	GN	102	8		.	.	.	.	.	.	.	.	.	.	.	.
23021359	22	MT	89	7		.	.	.	.	.	.	.	.	.	.	.	.
23021359	23	MT	72	5		.	.	.	.	.	.	.	.	.	.	.	.
23021359	24	MT	80	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	25	MT	80	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	26	MT	88	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	27	MT	85	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	28	MT	65	2		.	.	.	.	.	.	.	.	.	.	.	.
23021359	29	MT	75	4		.	.	.	.	.	.	.	.	.	.	.	.
23021359	30	MT	75	4		.	.	.	.	.	.	.	.	.	.	.	.
23021359	31	MT	101	7		.	.	.	.	.	.	.	.	.	.	.	.
23021359	32	MT	60	2		.	.	.	.	.	.	.	.	.	.	.	.
23021359	33	MT	90	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	34	MT	80	6		.	.	.	.	.	.	.	.	.	.	.	.
23021359	35	MT	75	3		.	.	.	.	.	.	.	.	.	.	.	.
23021359	36	MT	76	5		.	.	.	.	.	.	.	.	.	.	.	.
23021359	37	MT	55	1		.	.	.	.	.	.	.	.	.	.	.	.
23021359	38	MT	72	4		.	.	.	.	.	.	.	.	.	.	.	.
23021359	39	MT	62	3		.	.	.	.	.	.	.	.	.	.	.	.
23021359	40	MT	54	2		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=72584 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	1	GN	81	4		.	.	.	.	.	.	.	.	.	.	.	.
23021322	2	GN	84	5		.	.	.	.	.	.	.	.	.	.	.	.
23021322	3	GN	95	8		.	.	.	.	.	.	.	.	.	.	.	.
23021322	4	GN	94	8		.	.	.	.	.	.	.	.	.	.	.	.
23021322	5	GN	130	22		.	.	.	.	.	.	.	.	.	.	.	.
23021322	6	GN	83	5		.	.	.	.	.	.	.	.	.	.	.	.
23021322	7	GN	94	7		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=72584 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	8	GN	84	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	9	GN	94	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	10	GN	89	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	11	GN	102	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	12	GN	97	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	13	GN	107	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	14	GN	93	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	15	GN	89	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	16	GN	103	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	17	GN	94	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	13	GN	102	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	19	GN	89	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	20	GN	100	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	1	TN	109	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	2	TN	94	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	3	TN	112	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=101283 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	1	GN	161	52	F	.	.	.	.	.	.	.	.	.	.	.	.
23021322	2	GN	187	70	F	6	315	66	105	173	205	280	.	.	.	.	.
23021322	3	GN	170	64	F	6	197	55	100	149	170	185	.	.	.	.	.
23021322	4	GN	106	12	F	3	175	60	102	.	.	.	.	.	.	.	.
23021322	5	GN	152	44	F	.	.	.	.	.	.	.	.	.	.	.	.
23021322	6	GN	143	32	F	.	.	.	.	.	.	.	.	.	.	.	.
23021322	7	MT	112	13	M	4	181	58	109	170	.	.	.	.	.	.	.
23021322	8	MT	95	7	.	3	136	49	96	.	.	.	.	.	.	.	.
23021322	9	MT	101	9	F	3	147	55	98	.	.	.	.	.	.	.	.
23021322	10	MT	85	5	.	2	115	43	84	.	.	.	.	.	.	.	.
23021322	11	MT	100	8	F	3	145	45	80	.	.	.	.	.	.	.	.
23021322	12	MT	85	5	.	2	100	42	84	.	.	.	.	.	.	.	.
23021322	13	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	14	MT	68	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	15	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	16	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	17	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	18	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	19	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	20	MT	79	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	21	MT	66	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	22	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	23	MT	63	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	24	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	25	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	26	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	27	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	28	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	29	MT	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	30	MT	80	3	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=101283 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	31	MT	68	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	32	MT	75	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	33	MT	69	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	34	MT	69	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	35	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	36	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	37	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	38	MT	58	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	39	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	40	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	41	MT	61	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	42	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	43	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	44	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	45	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	46	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	47	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	48	MT	86	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	49	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	50	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	51	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	52	MT	71	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	53	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	54	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	55	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	56	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	57	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	58	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	59	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	60	MT	69	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	61	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	62	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	63	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	64	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	65	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	66	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	67	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	68	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	69	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	70	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	71	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	72	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	73	MT	53	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	74	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	75	MT	85	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	76	MT	80	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	77	MT	76	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	78	MT	78	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	79	MT	88	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	80	MT	85	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	81	MT	80	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	82	MT	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	83	MT	71	3	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=101283 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	84	MT	47	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	85	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	86	MT	70	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	87	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	88	MT	68	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	89	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	90	MT	62	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	91	MT	58	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	92	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	93	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	94	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	95	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	96	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	97	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	98	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	99	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	100	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	101	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	102	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	103	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	104	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	105	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	106	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	107	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	108	MT	59	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	109	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	110	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	111	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	112	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	113	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	114	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	115	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	116	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	117	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	118	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	119	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	120	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	121	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	122	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	123	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	124	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	125	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	126	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	127	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	128	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	129	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	130	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	131	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	132	MT	89	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	133	MT	70	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	134	MT	78	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	135	MT	72	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	136	MT	72	2	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=101283 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	137	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	138	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	139	MT	58	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	140	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	141	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	142	MT	59	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	143	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	144	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	145	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	146	MT	54	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	147	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	148	MT	47	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	149	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	150	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	151	MT	47	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	152	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	153	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	154	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	155	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	156	MT	45	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	157	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	158	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	159	MT	45	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	160	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	161	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	162	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	163	MT	67	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	164	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	165	MT	68	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	166	MT	62	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	167	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	168	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	169	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	170	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	171	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	172	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	173	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	174	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	175	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	176	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	177	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	178	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	179	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	180	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	181	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	182	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	183	MT	58	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	184	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	185	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	186	MT	74	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	187	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	188	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	189	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=101283 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	190	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	191	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	192	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	193	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	194	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	195	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	196	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	197	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	198	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	199	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	200	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	201	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	202	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	203	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	204	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	205	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	206	MT	71	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	207	MT	62	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	208	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	209	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	210	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	211	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	212	MT	66	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	213	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	214	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	215	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	216	MT	59	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	217	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	218	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	219	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	220	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	221	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	222	MT	62	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	223	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	224	MT	63	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	225	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	226	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	227	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	228	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	229	MT	53	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	230	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	231	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	232	MT	67	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	233	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	234	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	235	MT	68	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	236	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	237	MT	66	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	238	MT	66	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	239	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	240	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	241	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021322	242	MT	53	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GARCOCK POND DATE=101283 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021322	243	MT	50	1			.	.	.	.	.	.	.	.	.	.	.
23021322	244	MT	46	1			.	.	.	.	.	.	.	.	.	.	.
23021322	245	MT	50	1			.	.	.	.	.	.	.	.	.	.	.
23021322	246	MT	51	1			.	.	.	.	.	.	.	.	.	.	.
23021322	247	MT	55	1			.	.	.	.	.	.	.	.	.	.	.
23021322	248	MT	47	1			.	.	.	.	.	.	.	.	.	.	.
23021322	249	MT	48	1			.	.	.	.	.	.	.	.	.	.	.
23021322	250	MT	50	1			.	.	.	.	.	.	.	.	.	.	.
23021322	251	MT	48	1			.	.	.	.	.	.	.	.	.	.	.
23021322	252	MT	48	1			.	.	.	.	.	.	.	.	.	.	.
23021322	253	MT	63	2			.	.	.	.	.	.	.	.	.	.	.
23021322	254	MT	54	1			.	.	.	.	.	.	.	.	.	.	.
23021322	255	MT	60	2			.	.	.	.	.	.	.	.	.	.	.
23021322	256	MT	54	1			.	.	.	.	.	.	.	.	.	.	.
23021322	257	MT	58	1			.	.	.	.	.	.	.	.	.	.	.
23021322	258	MT	55	1			.	.	.	.	.	.	.	.	.	.	.
23021322	259	MT	47	1			.	.	.	.	.	.	.	.	.	.	.
23021322	260	MT	50	1			.	.	.	.	.	.	.	.	.	.	.
23021322	261	MT	61	2			.	.	.	.	.	.	.	.	.	.	.
23021322	262	MT	50	1			.	.	.	.	.	.	.	.	.	.	.
23021322	263	MT	52	1			.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=71084 SPECIES=AMERICAN EEL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	.	TN	.	.			.	.	.	.	.	.	.	.	.	.	.
23009365	.	MT	.	.			.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=71084 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	1	GN	315	266			.	.	.	.	.	.	.	.	.	.	.
23009365	2	GN	117	14			.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=71084 SPECIES=FALLFISH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	.	GN	.	.			.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=71084 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	1	GN	89	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	2	GN	79	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	3	GN	71	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	4	GN	81	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	5	GN	68	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	6	GN	79	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	7	GN	79	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	8	GN	66	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	9	GN	74	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	10	GN	102	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	11	GN	91	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	12	GN	81	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	13	GN	81	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	14	GN	69	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	15	GN	71	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=71084 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	.	TN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	1	GN	84	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	2	GN	89	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	3	GN	81	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=71084 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	.	TN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	1	GN	417	700	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	2	GN	168	58	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=80682 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	1	GN	107	9	F	.	.	.	.	.	.	.	.	.	.	.	.
23009365	1	GN	107	9	F	4	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=80682 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	1	MT	61	3		1	62	18	.	.	.	.	.	.	.	.	.
23009365	2	MT	62	4		1	70	21	.	.	.	.	.	.	.	.	.
23009365	3	MT	62	4		1	73	18	.	.	.	.	.	.	.	.	.
23009365	4	MT	72	6		2	92	20	68	.	.	.	.	.	.	.	.
23009365	5	MT	66	4		1	75	19	.	.	.	.	.	.	.	.	.
23009365	6	MT	58	3		1	58	18	.	.	.	.	.	.	.	.	.
23009365	7	MT	60	3		1	62	19	.	.	.	.	.	.	.	.	.
23009365	8	MT	57	3		1	51	18	.	.	.	.	.	.	.	.	.
23009365	9	MT	58	3		1	60	18	.	.	.	.	.	.	.	.	.
23009365	10	MT	59	3		1	70	20	.	.	.	.	.	.	.	.	.
23009365	11	MT	60	3		1	67	21	.	.	.	.	.	.	.	.	.
23009365	12	MT	58	3		1	60	17	.	.	.	.	.	.	.	.	.
23009365	13	MT	56	3		1	65	17	.	.	.	.	.	.	.	.	.
23009365	14	MT	52	2		1	50	12	.	.	.	.	.	.	.	.	.
23009365	15	MT	60	3		1	61	19	.	.	.	.	.	.	.	.	.
23009365	16	MT	55	2		1	54	13	.	.	.	.	.	.	.	.	.
23009365	17	MT	57	3		1	63	14	.	.	.	.	.	.	.	.	.
23009365	18	MT	56	3		1	50	13	.	.	.	.	.	.	.	.	.
23009365	19	MT	62	4		1	59	14	.	.	.	.	.	.	.	.	.
23009365	20	MT	58	3		1	65	15	.	.	.	.	.	.	.	.	.
23009365	21	MT	59	3		1	73	19	.	.	.	.	.	.	.	.	.
23009365	22	MT	57	3		1	69	15	.	.	.	.	.	.	.	.	.
23009365	23	MT	59	3		1	62	17	.	.	.	.	.	.	.	.	.
23009365	24	MT	56	3		1	65	18	.	.	.	.	.	.	.	.	.
23009365	25	MT	52	2		1	58	19	.	.	.	.	.	.	.	.	.
23009365	26	MT	65	4		1	70	20	.	.	.	.	.	.	.	.	.
23009365	27	MT	60	3		1	54	15	.	.	.	.	.	.	.	.	.
23009365	28	MT	69	6		2	90	21	70	.	.	.	.	.	.	.	.
23009365	29	MT	54	3		1	61	16	.	.	.	.	.	.	.	.	.
23009365	30	MT	59	2		1	60	17	.	.	.	.	.	.	.	.	.
23009365	31	MT	61	4		.	.	.	.	.	.	.	.	.	.	.	.
23009365	32	MT	60	4		.	.	.	.	.	.	.	.	.	.	.	.
23009365	33	MT	64	4		.	.	.	.	.	.	.	.	.	.	.	.
23009365	34	MT	77	7		.	.	.	.	.	.	.	.	.	.	.	.
23009365	35	MT	69	5		.	.	.	.	.	.	.	.	.	.	.	.
23009365	36	MT	59	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	37	MT	62	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	38	MT	58	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	39	MT	47	2		.	.	.	.	.	.	.	.	.	.	.	.
23009365	40	MT	31	1		.	.	.	.	.	.	.	.	.	.	.	.
23009365	41	MT	32	1		.	.	.	.	.	.	.	.	.	.	.	.
23009365	42	MT	53	2		.	.	.	.	.	.	.	.	.	.	.	.
23009365	43	MT	64	4		.	.	.	.	.	.	.	.	.	.	.	.
23009365	44	MT	55	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	45	MT	52	2		.	.	.	.	.	.	.	.	.	.	.	.
23009365	46	MT	62	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	47	MT	61	4		.	.	.	.	.	.	.	.	.	.	.	.
23009365	48	MT	60	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	49	MT	58	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	50	MT	61	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	51	MT	61	4		.	.	.	.	.	.	.	.	.	.	.	.
23009365	52	MT	61	3		.	.	.	.	.	.	.	.	.	.	.	.
23009365	53	MT	55	3		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=80682 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	54	MT	32	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	55	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	56	MT	35	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	57	MT	33	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	58	MT	35	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	59	MT	51	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	60	MT	30	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	61	MT	58	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	62	MT	55	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	63	MT	59	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	64	MT	54	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	65	MT	35	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=GREEN LAKE DATE=80682 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009365	1	GN	359	428	M	4	207	61	119	187	.	.	.	.	.	.	.
23009365	2	GN	370	570	F	5	196	53	107	165	184	.	.	.	.	.	.
23009365	3	GN	330	407	M	4	175	58	98	154	.	.	.	.	.	.	.
23009365	4	GN	372	474	P	5	214	72	110	179	201	.	.	.	.	.	.
23009365	5	GN	340	424	M	4	180	61	116	159	.	.	.	.	.	.	.
23009365	6	GN	332	414	M	4	177	61	112	168	.	.	.	.	.	.	.
23009365	7	GN	330	381	M	4	217	77	114	187	.	.	.	.	.	.	.
23009365	8	GN	335	386	M	4	217	79	117	193	.	.	.	.	.	.	.
23009365	9	GN	350	443	P	4	175	56	105	161	.	.	.	.	.	.	.
23009365	10	GN	320	353	P	3	173	51	131	.	.	.	.	.	.	.	.
23009365	11	GN	360	501	P	4	194	79	133	179	.	.	.	.	.	.	.
23009365	12	GN	166	48	M	1	95	43	.	.	.	.	.	.	.	.	.
23009365	13	GN	335	419	M	4	186	77	109	161	.	.	.	.	.	.	.
23009365	14	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23009365	15	GN	352	439	M	4	172	42	82	142	.	.	.	.	.	.	.
23009365	16	GN	345	402	P	4	175	70	105	163	.	.	.	.	.	.	.
23009365	17	GN	360	458	P	4	219	77	131	205	.	.	.	.	.	.	.
23009365	18	GN	341	432	M	4	201	70	119	182	.	.	.	.	.	.	.
23009365	19	GN	362	442	M	5	194	58	105	163	184	.	.	.	.	.	.
23009365	20	GN	325	446	M	4	179	68	102	156	.	.	.	.	.	.	.
23009365	21	GN	365	461	M	4	197	67	103	161	.	.	.	.	.	.	.
23009365	22	GN	355	447	M	4	200	68	114	179	.	.	.	.	.	.	.
23009365	23	GN	370	464	P	4	179	53	98	163	.	.	.	.	.	.	.
23009365	24	GN	350	446	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	25	GN	352	450	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	26	GN	360	392	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	27	GN	342	434	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	28	GN	350	463	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	29	GN	350	409	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	30	GN	340	417	P	.	.	.	.	.	.	.	.	.	.	.	.
23009365	31	GN	349	466	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	32	GN	301	266	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	33	GN	305	299	M	.	.	.	.	.	.	.	.	.	.	.	.
23009365	34	GN	301	284	M	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES= -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	1	MT	78	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	2	MT	69	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	3	MT	66	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	4	MT	72	2	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=BLACKNOSE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	1	MT	84	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	2	MT	65	3	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	1	GN	349	328		3	48	13	33	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	1	MT	123	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	2	MT	102	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	3	MT	128	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	4	MT	97	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	5	MT	123	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	6	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	7	MT	72	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	8	MT	124	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	9	MT	136	25	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	10	MT	117	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	11	MT	136	29	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	12	MT	108	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	13	MT	129	25	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	14	MT	89	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	15	MT	120	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	16	MT	88	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	17	MT	125	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	18	MT	102	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	19	MT	151	42	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	20	MT	122	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	21	MT	134	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	22	MT	85	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	23	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	24	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	25	MT	85	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	26	MT	109	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	27	MT	118	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	28	MT	77	4	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	29	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	30	MT	63	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	31	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	32	MT	117	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	33	MT	101	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	34	MT	121	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	35	MT	112	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	36	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	37	MT	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	38	MT	100	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	39	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	40	MT	92	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	41	MT	124	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	42	MT	119	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	43	MT	84	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	44	MT	128	23	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	45	MT	115	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	46	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	47	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	48	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	49	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	50	MT	53	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	51	MT	125	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	52	MT	127	23	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	53	MT	122	22	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	54	MT	108	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	55	MT	122	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	56	MT	113	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	57	MT	121	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	58	MT	137	29	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	59	MT	42	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	60	MT	125	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	61	MT	112	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	62	MT	112	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	63	MT	82	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	64	MT	89	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	65	MT	92	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	66	MT	53	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	67	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	68	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	69	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	70	MT	63	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	71	MT	47	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	72	MT	57	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	73	MT	135	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	74	MT	138	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	75	MT	134	31	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	76	MT	121	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	77	MT	94	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	78	MT	123	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	79	GN	181	60	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	80	GN	148	37	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	81	GN	167	47	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	82	GN	162	46	F	.	.	.	.	.	.	.	.	.	.	.	.
23021360	83	MT	187	76	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	84	GN	154	42	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	85	GN	131	23	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	86	GN	150	38	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	1	GN	104	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	2	GN	69	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	3	MT	84	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	4	MT	93	8	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	1	MT	91	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	2	MT	63	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	3	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	1	GN	1382	553	M	4	282	52	138	254	.	.	.	.	.	.	.
23021360	2	GN	354	415	M	3	245	47	116	.	.	.	.	.	.	.	.
23021360	3	GN	387	590	M	4	284	33	103	240	.	.	.	.	.	.	.
23021360	4	GN	345	371	M	3	217	54	131	.	.	.	.	.	.	.	.
23021360	5	GN	433	422	M	5	238	46	88	184	210	.	.	.	.	.	.
23021360	6	GN	385	532	F	4	229	35	98	217	.	.	.	.	.	.	.
23021360	7	GN	257	169	M	2	180	44	107	.	.	.	.	.	.	.	.
23021360	8	GN	298	252	M	2	219	63	131	.	.	.	.	.	.	.	.
23021360	9	GN	348	395	F	3	252	46	123	.	.	.	.	.	.	.	.
23021360	10	GN	194	69	.	1	105	42	.	.	.	.	.	.	.	.	.
23021360	11	GN	354	425	M	3	268	37	112	.	.	.	.	.	.	.	.
23021360	12	GN	338	398	M	3	210	90	154	.	.	.	.	.	.	.	.
23021360	13	GN	209	85	.	1	154	63	.	.	.	.	.	.	.	.	.
23021360	14	GN	184	60	.	1	114	30	.	.	.	.	.	.	.	.	.
23021360	15	GN	351	432	.	3	213	54	116	.	.	.	.	.	.	.	.
23021360	16	GN	341	395	M	3	233	75	149	.	.	.	.	.	.	.	.
23021360	17	GN	416	671	F	4	299	44	138	280	.	.	.	.	.	.	.
23021360	18	GN	361	463	F	3	270	45	124	.	.	.	.	.	.	.	.
23021360	19	GN	308	275	M	3	245	53	145	.	.	.	.	.	.	.	.
23021360	20	GN	209	93	.	1	138	54	.	.	.	.	.	.	.	.	.
23021360	21	GN	176	53	.	1	124	47	.	.	.	.	.	.	.	.	.
23021360	22	GN	179	54	.	1	140	49	.	.	.	.	.	.	.	.	.
23021360	23	GN	197	71	.	1	137	46	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	24	GN	387	503	F	.	.	.	.	.	.	.	.	.	.	.	.
23021360	25	GN	384	506	F	.	.	.	.	.	.	.	.	.	.	.	.
23021360	26	GN	364	425	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	27	GN	313	275	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	28	GN	311	274	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	29	GN	337	389	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	30	GN	362	462	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	31	GN	445	817	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	32	GN	340	461	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	33	GN	314	293	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	34	GN	351	441	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	35	GN	424	734	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	36	GN	397	534	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	37	GN	206	75	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	38	GN	164	46	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	39	GN	209	85	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	40	GN	370	475	F	.	.	.	.	.	.	.	.	.	.	.	.
23021360	41	GN	311	304	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	42	GN	371	500	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	43	GN	378	530	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	44	GN	372	494	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	45	GN	389	538	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	46	GN	357	442	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	47	GN	379	548	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	48	GN	331	340	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	49	GN	259	170	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	50	GN	335	382	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	51	GN	358	451	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	52	GN	120	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	53	GN	119	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	54	GN	177	54	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	55	GN	191	67	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	56	GN	187	65	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	57	GN	365	463	F	.	.	.	.	.	.	.	.	.	.	.	.
23021360	58	GN	347	422	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	59	GN	324	341	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	60	GN	372	454	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	61	GN	334	368	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	62	GN	183	61	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	63	GN	361	446	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	64	GN	195	71	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	65	GN	357	460	H	.	.	.	.	.	.	.	.	.	.	.	.
23021360	66	GN	342	342	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	67	GN	369	503	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	68	GN	303	263	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	69	GN	244	139	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	70	GN	307	279	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	71	GN	364	476	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	72	GN	300	256	P	.	.	.	.	.	.	.	.	.	.	.	.
23021360	73	GN	307	259	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	74	GN	203	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	75	GN	264	179	M	.	.	.	.	.	.	.	.	.	.	.	.
23021360	76	GN	189	68	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=HORSESHOE POND DATE=100683 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021360	77	GN	197	73	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	78	GN	184	60	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	79	GN	204	79	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	80	GN	197	74	.	.	.	.	.	.	.	.	.	.	.	.	.
23021360	81	GN	317	277	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=JOHNSTON POND DATE=83083 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021319	1	GN	187	54	F	2	36	15	27	.	.	.	.	.	.	.	.
23021319	2	GN	227	131	F	2	40	15	28	.	.	.	.	.	.	.	.
23021319	3	GN	162	43	F	2	32	14	25	.	.	.	.	.	.	.	.
23021319	4	GN	187	59	F	2	32	14	24	.	.	.	.	.	.	.	.
23021319	5	GN	104	14	.	1	24	14	.	.	.	.	.	.	.	.	.
23021319	6	GN	189	65	F	2	31	15	25	.	.	.	.	.	.	.	.
23021319	7	GN	181	59	M	2	31	14	25	.	.	.	.	.	.	.	.
23021319	8	GN	182	58	F	2	30	12	22	.	.	.	.	.	.	.	.
23021319	9	GN	185	68	F	2	29	12	25	.	.	.	.	.	.	.	.
23021319	10	GN	182	63	F	2	32	14	26	.	.	.	.	.	.	.	.
23021319	11	GN	163	47	M	2	33	16	26	.	.	.	.	.	.	.	.
23021319	12	GN	179	59	F	2	30	13	25	.	.	.	.	.	.	.	.
23021319	13	GN	104	13	.	1	25	15	.	.	.	.	.	.	.	.	.
23021319	14	GN	139	25	F	2	28	12	21	.	.	.	.	.	.	.	.
23021319	15	GN	131	21	M	1	25	15	.	.	.	.	.	.	.	.	.
23021319	16	GN	106	14	.	1	22	14	.	.	.	.	.	.	.	.	.
23021319	17	GN	121	16	.	1	26	16	.	.	.	.	.	.	.	.	.
23021319	18	GN	118	19	M	1	23	13	.	.	.	.	.	.	.	.	.
23021319	19	GN	167	48	F	2	35	16	28	.	.	.	.	.	.	.	.
23021319	20	GN	273	239	F	3	39	11	20	.	.	.	.	.	.	.	.
23021319	21	GN	119	18	M	1	27	14	.	.	.	.	.	.	.	.	.
23021319	22	GN	123	16	M	1	23	13	.	.	.	.	.	.	.	.	.
23021319	23	GN	169	47	M	2	31	13	23	.	.	.	.	.	.	.	.
23021319	24	GN	168	55	M	2	32	13	26	.	.	.	.	.	.	.	.
23021319	25	GN	156	42	M	2	30	14	23	.	.	.	.	.	.	.	.
23021319	26	GN	173	48	M	2	34	14	25	.	.	.	.	.	.	.	.
23021319	27	GN	187	72	F	2	30	15	24	.	.	.	.	.	.	.	.
23021319	28	GN	176	54	F	2	35	14	26	.	.	.	.	.	.	.	.
23021319	29	GN	179	52	M	2	36	14	29	.	.	.	.	.	.	.	.
23021319	30	GN	124	17	M	1	25	15	.	.	.	.	.	.	.	.	.
23021319	31	GN	172	53	M	2	33	15	27	.	.	.	.	.	.	.	.

----- NAME=JOHNSTON POND DATE=83083 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021319	1	GN	145	31	M	4	199	53	130	190	.	.	.	.	.	.	.

----- NAME=KNOX POND DATE=80184 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029363	.	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=KNOX POND DATE=80184 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029363	1	GN	172	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	2	GN	197	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=KNOX POND DATE=80184 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029363	.	TN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	1	MT	84	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	2	MT	74	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	3	MT	89	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	4	MT	55	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	5	MT	73	6	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=KNOX POND DATE=80184 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029363	1	GN	256	228	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	2	GN	268	227	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	3	GN	278	264	.	.	.	.	.	.	.	.	.	.	.	.	.
23029363	4	GN	222	124	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=KNOX POND DATE=81182 SPECIES=CHAIN PICKEREL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029363	1	GN	475	664	F	3	208 51	113	.	.	.	.	.	.	.	.	.
23029363	2	GN	191	32	F	1	65 47	.	.	.	.	.	.	.	.	.	.
23029363	3	GN	200	37	F	1	61 45	.	.	.	.	.	.	.	.	.	.
23029363	4	GN	535	860	F	4	195 46	106 182	.	.	.	.	.	.	.	.	.
23029363	5	GN	530	887	M	4	183 68	105 170	.	.	.	.	.	.	.	.	.

----- NAME=KNOX FOND DATE=81182 SPECIES=REDBREAST SUNFIS -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029363	1	GN	76	6	M	2	95	19	57	.	.	.	.	.	.	.	.
23029363	2	MT	70	5		2	75	14	48	.	.	.	.	.	.	.	.
23029363	3	MT	80	7		2	115	15	60	.	.	.	.	.	.	.	.
23029363	4	MT	75	6		2	95	16	56	.	.	.	.	.	.	.	.
23029363	5	MT	80	7		3	98	25	65	.	.	.	.	.	.	.	.
23029363	6	MT	76	6		2	90	20	51	.	.	.	.	.	.	.	.
23029363	7	MT	54	2		1	62	30	.	.	.	.	.	.	.	.	.
23029363	8	MT	60	3		1	60	22	.	.	.	.	.	.	.	.	.
23029363	9	MT	57	2		1	55	20	.	.	.	.	.	.	.	.	.
23029363	10	MT	49	1		1	52	20	.	.	.	.	.	.	.	.	.
23029363	11	MT	74	6		3	99	28	70	.	.	.	.	.	.	.	.
23029363	12	MT	47	2		1	55	18	.	.	.	.	.	.	.	.	.
23029363	13	MT	50	2		1	59	18	.	.	.	.	.	.	.	.	.
23029363	14	MT	55	2		1	53	23	.	.	.	.	.	.	.	.	.
23029363	15	MT	47	1		1	47	20	.	.	.	.	.	.	.	.	.
23029363	16	MT	48	2		1	60	27	.	.	.	.	.	.	.	.	.
23029363	17	MT	70	5		2	92	20	50	.	.	.	.	.	.	.	.
23029363	18	MT	51	2		1	57	22	.	.	.	.	.	.	.	.	.
23029363	19	MT	61	3		1	60	25	.	.	.	.	.	.	.	.	.
23029363	20	MT	48	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	21	MT	46	1		1	52	19	.	.	.	.	.	.	.	.	.
23029363	22	MT	50	2		1	56	21	.	.	.	.	.	.	.	.	.
23029363	23	MT	50	2		1	58	23	.	.	.	.	.	.	.	.	.
23029363	24	MT	50	2		1	60	24	.	.	.	.	.	.	.	.	.
23029363	25	MT	52	2		1	54	23	.	.	.	.	.	.	.	.	.
23029363	26	MT	60	3		1	70	30	.	.	.	.	.	.	.	.	.
23029363	27	MT	50	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	28	MT	45	1		.	.	.	.	.	.	.	.	.	.	.	.
23029363	29	MT	75	6		.	.	.	.	.	.	.	.	.	.	.	.
23029363	30	MT	50	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	31	MT	49	1		.	.	.	.	.	.	.	.	.	.	.	.
23029363	32	MT	50	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	33	MT	48	1		.	.	.	.	.	.	.	.	.	.	.	.
23029363	34	MT	59	3		.	.	.	.	.	.	.	.	.	.	.	.
23029363	35	MT	59	3		.	.	.	.	.	.	.	.	.	.	.	.
23029363	36	MT	59	3		.	.	.	.	.	.	.	.	.	.	.	.
23029363	37	MT	58	3		.	.	.	.	.	.	.	.	.	.	.	.
23029363	38	MT	50	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	39	MT	46	1		.	.	.	.	.	.	.	.	.	.	.	.
23029363	40	MT	52	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	41	MT	50	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	42	MT	55	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	43	MT	49	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	44	MT	46	1		.	.	.	.	.	.	.	.	.	.	.	.
23029363	45	MT	49	1		.	.	.	.	.	.	.	.	.	.	.	.
23029363	46	MT	55	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	47	MT	49	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	48	MT	45	1		.	.	.	.	.	.	.	.	.	.	.	.
23029363	49	MT	50	2		.	.	.	.	.	.	.	.	.	.	.	.
23029363	50	MT	46	1		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=KNOX POND DATE=81182 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029363	1	GN	212	109	M	2	165	45	99	.	.	.	.	.	.	.	.
23029363	2	GN	242	167	M	2	137	38	90	.	.	.	.	.	.	.	.
23029363	3	GN	174	61	M	1	105	59	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	14	GN	180	59		2	33	11	20	.	.	.	.	.	.	.	.
23021354	15	GN	176	58		2	26	9	17	.	.	.	.	.	.	.	.
23021354	16	GN	160	45		2	35	14	22	.	.	.	.	.	.	.	.
23021354	17	GN	130	23		1	24	12	.	.	.	.	.	.	.	.	.
23021354	18	GN	160	42		2	32	13	23	.	.	.	.	.	.	.	.
23021354	19	GN	112	17		1	22	11	.	.	.	.	.	.	.	.	.
23021354	1	GN	221	107	M	2	34	14	24	.	.	.	.	.	.	.	.
23021354	2	GN	225	123		2	40	11	23	.	.	.	.	.	.	.	.
23021354	3	GN	256	156	M	3	40	12	24	.	.	.	.	.	.	.	.
23021354	4	GN	210	103	F	2	42	18	32	.	.	.	.	.	.	.	.
23021354	5	GN	195	82	M	2	30	12	21	.	.	.	.	.	.	.	.
23021354	6	GN	262	178	M	3	48	13	28	.	.	.	.	.	.	.	.
23021354	7	GN	198	87	F	2	28	9	18	.	.	.	.	.	.	.	.
23021354	8	GN	176	60		2	31	11	21	.	.	.	.	.	.	.	.
23021354	9	GN	175	53		2	31	11	22	.	.	.	.	.	.	.	.
23021354	10	GN	200	87	M	2	30	12	21	.	.	.	.	.	.	.	.
23021354	11	GN	181	62		2	34	12	25	.	.	.	.	.	.	.	.
23021354	12	GN	230	123	F	2	34	14	24	.	.	.	.	.	.	.	.
23021354	13	GN	156	33		1	25	12	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	1	GN	190	95		.	.	.	.	.	.	.	.	.	.	.	.
23021354	2	GN	205	127	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	3	GN	154	40		.	.	.	.	.	.	.	.	.	.	.	.
23021354	4	GN	200	107	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	5	GN	205	113	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	6	GN	192	89	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	7	GN	200	111	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	8	GN	200	103	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	9	GN	170	58		.	.	.	.	.	.	.	.	.	.	.	.
23021354	10	GN	210	90	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	11	GN	190	87	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	12	GN	200	99	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	13	GN	210	108	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	14	GN	200	101	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	15	GN	209	120	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	16	GN	190	87		.	.	.	.	.	.	.	.	.	.	.	.
23021354	17	GN	210	119	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	18	GN	195	110	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	19	GN	210	115	M	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	20	GN	198	98	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	21	GN	139	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	22	GN	198	100	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	23	GN	195	90	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	24	GN	172	56	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	25	GN	200	103	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	26	GN	205	103	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	27	GN	185	87	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	28	GN	205	119	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	29	GN	176	185	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	30	GN	190	84	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	31	GN	201	119	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	32	GN	200	105	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	33	GN	190	82	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	34	GN	185	76	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	35	GN	196	98	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	36	GN	195	96	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	37	GN	245	195	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	38	GN	145	37	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	39	GN	170	67	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	40	GN	165	56	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	41	GN	110	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	42	GN	165	64	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	43	GN	134	29	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	44	GN	110	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	45	GN	200	101	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	46	GN	135	35	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	47	GN	175	66	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	48	GN	138	32	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	49	GN	155	46	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	50	GN	205	101	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	51	GN	156	44	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	52	GN	99	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	53	GN	195	98	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	54	GN	176	69	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	55	GN	140	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	56	GN	103	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	57	GN	139	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	58	GN	92	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	59	GN	175	68	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	60	GN	205	110	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	61	GN	210	123	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	62	GN	211	125	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	63	GN	200	126	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	64	MT	98	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	65	MT	102	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	66	MT	116	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	67	MT	107	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	68	MT	113	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	69	MT	112	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	70	MT	91	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	16	MT	92	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	17	MT	82	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=BROWN BULLHEAD -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	18	MT	91	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	71	MT	33	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	72	MT	40	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	73	MT	39	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	74	MT	38	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	75	MT	44	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	76	MT	42	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	77	MT	40	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	78	MT	41	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	79	MT	36	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	80	MT	44	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	81	MT	40	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	82	MT	39	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	83	MT	41	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	84	MT	42	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	85	MT	38	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	86	MT	41	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	87	MT	42	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	88	MT	32	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	1	GN	120	22	.	1	160	63	.	.	.	.	.	.	.	.	.
23021354	2	GN	96	11	.	1	149	69	.	.	.	.	.	.	.	.	.
23021354	3	GN	90	10	.	1	135	75	.	.	.	.	.	.	.	.	.
23021354	4	GN	128	24	.	1	165	95	.	.	.	.	.	.	.	.	.
23021354	5	GN	105	13	.	1	91	58	.	.	.	.	.	.	.	.	.
23021354	5	GN	112	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	6	GN	102	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	10	GN	111	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	11	GN	101	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	9	GN	103	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	12	GN	110	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	13	MT	115	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	14	MT	85	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	15	MT	68	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	19	MT	102	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	20	MT	85	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=CYPRINIDAE SP. -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	1	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=FALLFISH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	2	MT	75	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	3	MT	66	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=FATHEAD MINNOW -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	1	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	2	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=FINESCALE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	1	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	2	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	3	MT	64	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	4	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	5	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	6	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	7	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	8	MT	70	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	9	MT	76	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	10	MT	71	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	11	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	12	MT	53	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	13	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	14	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	15	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	16	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	17	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	18	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	19	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	20	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	21	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	22	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	23	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	24	MT	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	25	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	26	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	27	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	28	MT	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	29	MT	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	30	MT	54	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	31	MT	66	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	32	MT	64	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	33	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	34	MT	64	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	35	MT	63	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	36	MT	66	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	37	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=FINESCALE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	38	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	39	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	40	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	41	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	42	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	43	MT	53	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	44	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	45	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	46	MT	66	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	47	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	48	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	49	MT	66	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	50	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	51	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	53	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	54	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	55	MT	66	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	56	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	57	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	58	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	59	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	60	MT	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	61	MT	58	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	1	MT	90	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	52	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=NO.REDBELLY DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	1	MT	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	2	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	3	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	4	MT	90	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	5	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	6	MT	72	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	7	MT	99	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	8	MT	91	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	9	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	10	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	11	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	12	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	13	MT	65	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	14	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	15	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	16	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	17	MT	85	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	18	MT	61	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	19	MT	62	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	20	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	21	MT	49	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	22	MT	87	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=NO.REDBELLY DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	23	MT	42	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	24	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	25	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	26	MT	77	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	27	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	28	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	29	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	30	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	31	MT	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	32	MT	41	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	33	MT	60	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	34	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	35	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	36	MT	43	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	37	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	38	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	39	MT	59	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	40	MT	74	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	41	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	42	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	43	MT	49	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	44	MT	49	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	45	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	46	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	47	MT	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	48	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	49	MT	70	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	50	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	51	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	52	MT	44	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	53	MT	49	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	54	MT	55	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	55	MT	56	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	56	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	57	MT	46	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	58	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	59	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	60	MT	79	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	61	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	62	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	63	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	64	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	65	MT	50	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	66	MT	52	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	67	MT	45	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	68	MT	57	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	69	MT	51	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	1	GN	245	141	M	2	167	60	121	.	.	.	.	.	.	.	.
23021354	2	GN	289	226	F	4	188	45	109	160	.	.	.	.	.	.	.
23021354	3	GN	119	18	.	1	55	27	.	.	.	.	.	.	.	.	.
23021354	4	GN	288	247	M	4	210	35	67	158	.	.	.	.	.	.	.
23021354	5	GN	275	205	F	3	171	40	95	171	.	.	.	.	.	.	.
23021354	6	GN	216	109	M	2	163	83	139	.	.	.	.	.	.	.	.
23021354	7	GN	285	194	F	3	168	72	122	.	.	.	.	.	.	.	.
23021354	8	GN	247	146	.	2	132	30	90	.	.	.	.	.	.	.	.
23021354	9	GN	231	120	M	2	140	35	85	.	.	.	.	.	.	.	.
23021354	10	GN	225	.	.	2	157	63	118	.	.	.	.	.	.	.	.
23021354	11	GN	242	139	.	2	135	50	119	.	.	.	.	.	.	.	.
23021354	12	GN	277	205	M	3	173	50	105	.	.	.	.	.	.	.	.
23021354	13	GN	222	.	.	2	162	34	89	.	.	.	.	.	.	.	.
23021354	14	GN	260	170	M	2	166	49	105	.	.	.	.	.	.	.	.
23021354	15	GN	255	157	M	2	132	38	120	.	.	.	.	.	.	.	.
23021354	16	GN	250	144	.	2	143	58	117	.	.	.	.	.	.	.	.
23021354	17	GN	235	105	M	2	153	43	106	.	.	.	.	.	.	.	.
23021354	18	GN	240	134	F	2	165	47	110	.	.	.	.	.	.	.	.
23021354	19	GN	241	137	F	3	185	50	102	.	.	.	.	.	.	.	.
23021354	20	GN	255	147	F	2	142	54	105	.	.	.	.	.	.	.	.
23021354	21	GN	140	27	.	1	63	33	.	.	.	.	.	.	.	.	.
23021354	21	GN	259	166	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	22	GN	230	134	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	23	GN	249	154	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	24	GN	243	129	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	25	GN	250	160	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	26	GN	235	128	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	27	GN	265	179	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	28	GN	248	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	29	GN	245	145	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	30	GN	250	152	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	31	GN	232	110	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	32	GN	235	132	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	33	GN	300	243	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	34	GN	266	174	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	35	GN	276	195	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	36	GN	255	157	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	37	GN	240	126	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	38	GN	256	154	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	39	GN	310	287	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	40	GN	229	107	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	41	GN	262	183	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	42	GN	260	153	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	43	GN	179	57	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	44	GN	179	47	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	45	GN	185	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	46	GN	120	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	47	GN	186	56	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	48	GN	182	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	49	GN	180	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	50	GN	185	56	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	51	GN	182	57	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	52	GN	187	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE FISHER POND DATE=80483 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021354	53	GN	175	46	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	54	GN	166	42	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	55	GN	178	48	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	56	GN	176	48	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	57	GN	180	51	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	58	GN	169	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	59	GN	178	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	60	GN	191	61	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	61	GN	245	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	62	GN	270	179	M	.	.	.	.	.	.	.	.	.	.	.	.
23021354	63	GN	250	149	F	.	.	.	.	.	.	.	.	.	.	.	.
23021354	64	GN	188	60	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	65	GN	170	47	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	66	GN	176	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	67	GN	180	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	68	GN	189	68	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	69	GN	176	50	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	70	GN	245	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	71	GN	165	45	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	72	GN	176	54	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	73	GN	112	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	74	GN	115	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	75	GN	192	73	.	.	.	.	.	.	.	.	.	.	.	.	.
23021354	76	GN	117	21	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	1	GN	213	89	F	2	33	14	25	.	.	.	.	.	.	.	.
23021352	2	GN	129	19	.	1	22	11	.	.	.	.	.	.	.	.	.
23021352	3	GN	173	54	M	2	28	10	21	.	.	.	.	.	.	.	.
23021352	4	GN	271	190	M	3	37	16	25	.	.	.	.	.	.	.	.
23021352	5	GN	218	124	M	2	34	15	30	.	.	.	.	.	.	.	.
23021352	6	GN	182	56	M	2	31	14	26	.	.	.	.	.	.	.	.
23021352	7	GN	133	21	.	1	24	13	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=CENTRARCHID SP. -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	1	MT	48	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RA	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	1	GN	117	19		2	200	90	155	.	.	.	.	.	.	.	.
23021352	2	GN	107	15		2	165	73	144	.	.	.	.	.	.	.	.
23021352	3	GN	100	13		2	172	74	137	.	.	.	.	.	.	.	.
23021352	4	GN	110	13		2	168	92	147	.	.	.	.	.	.	.	.
23021352	5	GN	111	15		2	165	68	123	.	.	.	.	.	.	.	.
23021352	6	GN	115	17		2	209	97	161	.	.	.	.	.	.	.	.
23021352	7	GN	106	13		2	173	79	133	.	.	.	.	.	.	.	.
23021352	8	GN	114	16		2	190	93	146	.	.	.	.	.	.	.	.
23021352	9	GN	111	14		2	196	74	149	.	.	.	.	.	.	.	.
23021352	10	GN	112	14		2	207	86	159	.	.	.	.	.	.	.	.
23021352	11	GN	107	12		2	156	62	117	.	.	.	.	.	.	.	.
23021352	12	GN	103	13		2	151	70	107	.	.	.	.	.	.	.	.
23021352	13	GN	107	12		2	205	90	165	.	.	.	.	.	.	.	.
23021352	14	GN	117	18		2	175	89	149	.	.	.	.	.	.	.	.
23021352	15	GN	106	12		2	175	75	146	.	.	.	.	.	.	.	.
23021352	16	GN	108	13		2	174	85	141	.	.	.	.	.	.	.	.
23021352	17	GN	114	13		2	186	96	170	.	.	.	.	.	.	.	.
23021352	18	GN	96	11		2	184	81	144	.	.	.	.	.	.	.	.
23021352	19	GN	107	13		2	190	74	150	.	.	.	.	.	.	.	.
23021352	20	GN	112	16		2	202	77	157	.	.	.	.	.	.	.	.
23021352	21	GN	102	10		.	.	.	.	.	.	.	.	.	.	.	.
23021352	22	MT	123	20		.	.	.	.	.	.	.	.	.	.	.	.
23021352	23	MT	101	11		.	.	.	.	.	.	.	.	.	.	.	.
23021352	24	MT	120	18		.	.	.	.	.	.	.	.	.	.	.	.
23021352	25	MT	113	17		.	.	.	.	.	.	.	.	.	.	.	.
23021352	26	MT	113	19		.	.	.	.	.	.	.	.	.	.	.	.
23021352	27	MT	117	17		.	.	.	.	.	.	.	.	.	.	.	.
23021352	28	MT	101	11		.	.	.	.	.	.	.	.	.	.	.	.
23021352	29	MT	115	15		.	.	.	.	.	.	.	.	.	.	.	.
23021352	30	MT	113	17		.	.	.	.	.	.	.	.	.	.	.	.
23021352	31	MT	97	12		.	.	.	.	.	.	.	.	.	.	.	.
23021352	32	MT	105	13		.	.	.	.	.	.	.	.	.	.	.	.
23021352	33	MT	102	13		.	.	.	.	.	.	.	.	.	.	.	.
23021352	34	MT	122	22		.	.	.	.	.	.	.	.	.	.	.	.
23021352	35	MT	88	8		.	.	.	.	.	.	.	.	.	.	.	.
23021352	36	MT	110	14		.	.	.	.	.	.	.	.	.	.	.	.
23021352	37	MT	97	10		.	.	.	.	.	.	.	.	.	.	.	.
23021352	38	MT	107	14		.	.	.	.	.	.	.	.	.	.	.	.
23021352	39	MT	87	6		.	.	.	.	.	.	.	.	.	.	.	.
23021352	40	MT	119	20		.	.	.	.	.	.	.	.	.	.	.	.
23021352	41	MT	105	13		.	.	.	.	.	.	.	.	.	.	.	.
23021352	42	MT	105	13		.	.	.	.	.	.	.	.	.	.	.	.
23021352	43	MT	97	9		.	.	.	.	.	.	.	.	.	.	.	.
23021352	44	MT	107	15		.	.	.	.	.	.	.	.	.	.	.	.
23021352	45	MT	91	8		.	.	.	.	.	.	.	.	.	.	.	.
23021352	46	MT	99	11		.	.	.	.	.	.	.	.	.	.	.	.
23021352	47	MT	100	9		.	.	.	.	.	.	.	.	.	.	.	.
23021352	48	MT	93	8		.	.	.	.	.	.	.	.	.	.	.	.
23021352	49	MT	111	14		.	.	.	.	.	.	.	.	.	.	.	.
23021352	50	MT	93	8		.	.	.	.	.	.	.	.	.	.	.	.
23021352	51	MT	97	10		.	.	.	.	.	.	.	.	.	.	.	.
23021352	52	MT	105	12		.	.	.	.	.	.	.	.	.	.	.	.
23021352	53	MT	97	11		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	54	MT	97	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	55	MT	117	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	56	MT	109	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	57	MT	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	58	MT	92	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	59	MT	116	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	60	MT	74	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	61	MT	98	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	62	MT	107	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	63	MT	109	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	64	MT	97	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	65	MT	112	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	66	MT	100	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	67	MT	97	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	68	MT	107	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	69	MT	94	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	70	MT	99	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	71	MT	96	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	72	MT	105	15	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	1	MT	95	8	.	2	147 88	128	.	.	.	.	.	.	.	.	.
23021352	2	MT	122	19	.	2	151 63	114	.	.	.	.	.	.	.	.	.
23021352	3	MT	124	19	.	2	137 72	107	.	.	.	.	.	.	.	.	.
23021352	4	MT	122	18	.	2	158 82	123	.	.	.	.	.	.	.	.	.
23021352	5	MT	122	19	.	3	168 61	96	.	.	.	.	.	.	.	.	.
23021352	6	MT	113	15	.	.	165 56	103	.	.	.	.	.	.	.	.	.
23021352	1	MT	124	23	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	1	MT	96	8	.	2	95 44	74	.	.	.	.	.	.	.	.	.
23021352	2	MT	83	4	.	1	96 40	.	.	.	.	.	.	.	.	.	.
23021352	3	MT	126	19	.	3	179 52	114	.	.	.	.	.	.	.	.	.
23021352	4	MT	105	11	.	2	131 46	112	.	.	.	.	.	.	.	.	.
23021352	5	MT	111	13	.	3	168 49	122	.	.	.	.	.	.	.	.	.
23021352	6	MT	112	12	.	3	128 39	96	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	1	MT	75	7	.	3	63 21	39	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	1	MT	117	14		1	46	32	.	.	.	.	.	.	.	.	.
23021352	2	MT	103	8		1	41	34	.	.	.	.	.	.	.	.	.
23021352	3	GN	203	79	M	3	96	35	56	.	.	.	.	.	.	.	.
23021352	4	GN	196	69		3	109	51	79	.	.	.	.	.	.	.	.
23021352	5	GN	191	64	M	3	115	44	80	.	.	.	.	.	.	.	.
23021352	6	GN	171	47		3	88	33	58	.	.	.	.	.	.	.	.
23021352	7	GN	187	59		3	105	42	73	.	.	.	.	.	.	.	.
23021352	8	GN	189	55		3	107	44	56	.	.	.	.	.	.	.	.
23021352	9	GN	176	53	M	3	98	39	56	.	.	.	.	.	.	.	.
23021352	10	GN	258	157	F	5	161	31	61	124	156	.	.	.	.	.	.
23021352	11	GN	177	55		3	117	46	68	.	.	.	.	.	.	.	.
23021352	12	GN	176	50		3	88	24	44	.	.	.	.	.	.	.	.
23021352	13	GN	181	56	F	3	107	38	54	.	.	.	.	.	.	.	.
23021352	14	GN	185	56	M	3	103	37	53	.	.	.	.	.	.	.	.
23021352	15	GN	183	62	M	3	107	33	72	.	.	.	.	.	.	.	.
23021352	16	GN	169	48	F	2	81	30	56	.	.	.	.	.	.	.	.
23021352	17	GN	167	44		2	80	26	58	.	.	.	.	.	.	.	.
23021352	18	GN	183	64	F	3	109	45	72	.	.	.	.	.	.	.	.
23021352	19	GN	189	62	M	3	96	33	54	.	.	.	.	.	.	.	.
23021352	20	GN	169	46	F	2	89	44	68	.	.	.	.	.	.	.	.
23021352	21	GN	171	52	F	2	91	42	75	.	.	.	.	.	.	.	.
23021352	22	GN	205	78	F	3	103	39	54	.	.	.	.	.	.	.	.
23021352	23	GN	177	51		.	.	.	.	.	.	.	.	.	.	.	.
23021352	24	GN	193	72	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	25	GN	173	52		.	.	.	.	.	.	.	.	.	.	.	.
23021352	26	GN	177	51	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	27	GN	181	52		.	.	.	.	.	.	.	.	.	.	.	.
23021352	28	GN	167	47	M	.	.	.	.	.	.	.	.	.	.	.	.
23021352	29	GN	184	62	M	.	.	.	.	.	.	.	.	.	.	.	.
23021352	30	GN	189	67		.	.	.	.	.	.	.	.	.	.	.	.
23021352	31	GN	185	59		.	.	.	.	.	.	.	.	.	.	.	.
23021352	32	GN	167	46		.	.	.	.	.	.	.	.	.	.	.	.
23021352	33	GN	203	77	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	34	GN	179	51	M	.	.	.	.	.	.	.	.	.	.	.	.
23021352	35	GN	187	61	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	36	GN	184	60	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	37	GN	176	52		.	.	.	.	.	.	.	.	.	.	.	.
23021352	38	GN	164	24	M	.	.	.	.	.	.	.	.	.	.	.	.
23021352	39	GN	187	57	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	40	GN	181	57	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	41	GN	190	60	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	42	GN	184	64	F	.	.	.	.	.	.	.	.	.	.	.	.
23021352	43	GN	121	17		.	.	.	.	.	.	.	.	.	.	.	.
23021352	44	GN	132	22		.	.	.	.	.	.	.	.	.	.	.	.
23021352	45	GN	126	18		.	.	.	.	.	.	.	.	.	.	.	.
23021352	46	GN	121	17		.	.	.	.	.	.	.	.	.	.	.	.
23021352	47	GN	118	16		.	.	.	.	.	.	.	.	.	.	.	.
23021352	48	GN	112	14		.	.	.	.	.	.	.	.	.	.	.	.
23021352	49	GN	113	13		.	.	.	.	.	.	.	.	.	.	.	.
23021352	50	GN	121	17		.	.	.	.	.	.	.	.	.	.	.	.
23021352	51	GN	119	15		.	.	.	.	.	.	.	.	.	.	.	.
23021352	52	GN	110	13		.	.	.	.	.	.	.	.	.	.	.	.
23021352	53	GN	119	15		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LITTLE HURD POND DATE=72683 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021352	54	GN	114	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	55	GN	119	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	56	GN	120	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	57	GN	117	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	58	GN	112	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	59	GN	109	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	60	GN	122	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	61	GN	113	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	62	GN	127	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021352	63	MT	107	12	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LOST POND DATE=71983 SPECIES=FINESCALE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021351	1	MT	69	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	2	MT	79	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	3	MT	83	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	4	MT	71	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	5	MT	72	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	6	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	7	MT	77	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	8	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	9	MT	62	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	10	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	11	MT	56	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	12	MT	71	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	13	MT	53	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	14	MT	75	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	15	MT	76	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	16	MT	52	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LOST POND DATE=71983 SPECIES=REDBREAST SUNPIS -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021351	1	GN	119	34	.	4	133	28	56	115	.	.	.	.	.	.	.
23021351	2	GN	118	36	.	4	137	25	63	120	.	.	.	.	.	.	.
23021351	3	MT	80	9	.	2	92	24	65	.	.	.	.	.	.	.	.
23021351	4	MT	80	9	.	2	80	20	54	.	.	.	.	.	.	.	.
23021351	5	MT	78	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	6	MT	76	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	7	MT	60	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	8	MT	79	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	9	MT	77	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	10	MT	79	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	11	MT	71	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	12	MT	80	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	13	MT	53	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	14	MT	55	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	15	MT	75	8	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LOST POND DATE=71983 SPECIES=REDBREAST SUNPIS -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021351	16	MT	49	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	17	MT	55	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	18	MT	57	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	19	MT	80	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	20	MT	54	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	21	MT	57	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	22	MT	76	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	23	MT	79	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	24	MT	54	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	25	MT	55	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	26	MT	72	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	27	MT	78	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	28	MT	52	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	17	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	18	MT	72	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	19	MT	75	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	20	MT	67	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	21	MT	64	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	22	MT	64	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	23	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	24	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	25	MT	70	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	26	MT	52	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	27	MT	62	2	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LOST POND DATE=71983 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021351	1	GN	325	363	M	3	233	53	186	.	.	.	.	.	.	.	.
23021351	2	GN	434	931	F	4	282	52	91	263	.	.	.	.	.	.	.
23021351	3	GN	317	361	M	3	214	66	175	.	.	.	.	.	.	.	.
23021351	4	GN	329	394	M	3	228	53	179	.	.	.	.	.	.	.	.
23021351	5	GN	170	55	M	1	96	54	.	.	.	.	.	.	.	.	.
23021351	6	GN	181	63	M	1	82	47	.	.	.	.	.	.	.	.	.
23021351	7	GN	321	379	M	3	215	52	175	.	.	.	.	.	.	.	.
23021351	8	GN	295	332	M	3	200	54	88	.	.	.	.	.	.	.	.
23021351	9	GN	244	171	M	2	147	39	89	.	.	.	.	.	.	.	.
23021351	10	GN	179	64	M	1	96	51	.	.	.	.	.	.	.	.	.
23021351	11	GN	176	62	M	1	93	54	.	.	.	.	.	.	.	.	.
23021351	12	GN	309	350	M	2	186	51	138	.	.	.	.	.	.	.	.
23021351	13	GN	180	59	M	1	95	53	.	.	.	.	.	.	.	.	.
23021351	14	GN	182	71	M	1	94	51	.	.	.	.	.	.	.	.	.
23021351	15	GN	189	81	M	1	89	51	.	.	.	.	.	.	.	.	.
23021351	16	GN	191	73	M	1	105	58	.	.	.	.	.	.	.	.	.
23021351	17	GN	184	66	M	1	84	51	.	.	.	.	.	.	.	.	.
23021351	18	GN	184	70	M	1	96	52	.	.	.	.	.	.	.	.	.
23021351	19	GN	181	64	M	1	96	54	.	.	.	.	.	.	.	.	.
23021351	20	GN	293	297	M	2	161	53	130	.	.	.	.	.	.	.	.
23021351	21	GN	181		.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	22	GN	307	365	M	.	.	.	.	.	.	.	.	.	.	.	.
23021351	23	GN	314	348	M	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=LOST POND DATE=71983 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021351	24	GN	341	431	M	.	.	.	.	.	.	.	.	.	.	.	.
23021351	25	GN	320	382	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	26	GN	292	302	.	.	.	.	.	.	.	.	.	.	.	.	.
23021351	27	GN	316	409	M	.	.	.	.	.	.	.	.	.	.	.	.
23021351	28	GN	197	94	M	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=CENTRARCHID SP. -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	1	GN	72	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	3	MT	65	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	2	GN	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	4	MT	55	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	5	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	6	MT	58	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	7	MT	78	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	8	MT	70	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	9	MT	58	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	10	MT	56	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	11	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	12	MT	59	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	13	MT	59	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	14	MT	70	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	15	MT	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	16	MT	55	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	17	MT	70	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	18	MT	65	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	19	MT	74	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	20	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	21	MT	70	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	22	MT	55	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	23	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	24	MT	55	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	25	MT	60	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	26	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	27	MT	76	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	28	MT	64	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	29	MT	50	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	30	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	31	MT	52	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	32	MT	79	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	33	MT	62	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	34	MT	80	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	35	MT	55	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	36	MT	56	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	37	MT	56	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	38	MT	50	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	39	MT	65	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	40	MT	50	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	41	MT	65	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	42	MT	64	5	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=CENTRARCHID SP. -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	43	MT	66	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	44	MT	57	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	45	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	46	MT	45	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	47	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	48	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	49	MT	45	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	50	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	51	MT	44	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	52	MT	46	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	53	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	54	MT	44	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	55	MT	60	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	56	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	57	MT	41	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	58	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	59	MT	39	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	60	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	61	MT	39	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	62	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	63	MT	59	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	64	MT	42	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	65	MT	49	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	66	MT	45	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	67	MT	40	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	1	GN	120	23	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	2	MT	105	11	2	177	68	123	.	.	.	.	.	.	.	.	.
23009361	3	MT	120	18	2	166	86	138	.	.	.	.	.	.	.	.	.
23009361	4	MT	109	12	2	168	70	131	.	.	.	.	.	.	.	.	.
23009361	5	MT	108	12	2	158	53	122	.	.	.	.	.	.	.	.	.
23009361	6	MT	87	11	1	116	74	.	.	.	.	.	.	.	.	.	.
23009361	7	MT	114	14	2	165	72	137	.	.	.	.	.	.	.	.	.
23009361	8	MT	103	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	9	MT	105	11	2	158	67	112	.	.	.	.	.	.	.	.	.
23009361	10	MT	115	17	2	161	88	140	.	.	.	.	.	.	.	.	.
23009361	11	MT	125	19	2	186	89	156	.	.	.	.	.	.	.	.	.
23009361	12	MT	90	7	2	166	87	140	.	.	.	.	.	.	.	.	.
23009361	13	MT	97	9	2	156	67	109	.	.	.	.	.	.	.	.	.
23009361	14	MT	100	11	2	154	53	105	.	.	.	.	.	.	.	.	.
23009361	15	MT	106	11	2	163	63	137	.	.	.	.	.	.	.	.	.
23009361	16	MT	70	3	1	91	63	.	.	.	.	.	.	.	.	.	.
23009361	17	MT	100	10	2	149	61	107	.	.	.	.	.	.	.	.	.
23009361	18	MT	115	16	2	180	89	152	.	.	.	.	.	.	.	.	.
23009361	19	MT	73	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	20	MT	93	7	2	138	54	105	.	.	.	.	.	.	.	.	.
23009361	21	MT	102	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	22	MT	104	10	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=COMMON SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	23	MT	89	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	24	MT	96	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	25	MT	88	6	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	1	GN	120	22	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	2	GN	140	29	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	3	GN	128	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	4	GN	117	27	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	5	GN	114	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	6	GN	107	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	7	MT	115	14	3	142	31	78	.	.	.	.	.	.	.	.	.
23009361	8	MT	90	7	2	122	43	82	.	.	.	.	.	.	.	.	.
23009361	9	MT	95	7	2	117	44	76	.	.	.	.	.	.	.	.	.
23009361	10	MT	95	8	3	130	35	70	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	1	GN	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	2	MT	80	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	3	MT	70	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	4	MT	72	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	5	MT	80	4	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	1	GN	75	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	2	MT	72	6	2	57	26	44	.	.	.	.	.	.	.	.	.
23009361	3	MT	90	10	2	71	26	50	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=REDBREAST SUNFIS -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	1	GN	79	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	2	GN	119	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	3	GN	65	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	4	GN	136	42	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	5	GN	70	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23009361	6	MT	86	10	4	106	23	44	90	.	.	.	.	.	.	.	.
23009361	7	MT	85	10	3	73	30	50	.	.	.	.	.	.	.	.	.
23009361	8	MT	66	5	3	85	27	49	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=REDBREAST SUNFIS -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	9	MT	91	12		4	111	23	43	98	.	.	.	.	.	.	.
23009361	10	MT	72	6		3	77	26	47	.	.	.	.	.	.	.	.
23009361	11	MT	70	5		4	92	25	41	78	.	.	.	.	.	.	.
23009361	12	MT	55	3		2	45	23	35	.	.	.	.	.	.	.	.
23009361	13	MT	80	8		3	75	33	47	.	.	.	.	.	.	.	.
23009361	14	MT	65	4		3	73	21	42	.	.	.	.	.	.	.	.
23009361	15	MT	82	9		4	85	22	39	74	.	.	.	.	.	.	.
23009361	16	MT	80	9		4	94	23	42	80	.	.	.	.	.	.	.
23009361	17	MT	69	5		3	75	29	53	.	.	.	.	.	.	.	.
23009361	18	MT	66	4		3	71	20	45	.	.	.	.	.	.	.	.
23009361	19	MT	75	7		4	95	25	45	80	.	.	.	.	.	.	.
23009361	20	MT	69	5		4	100	25	46	86	.	.	.	.	.	.	.
23009361	21	MT	52	3		2	55	19	44	.	.	.	.	.	.	.	.
23009361	22	MT	59	3		2	58	20	49	.	.	.	.	.	.	.	.
23009361	23	MT	76	6		3	86	18	49	.	.	.	.	.	.	.	.
23009361	24	MT	64	4		3	69	21	36	.	.	.	.	.	.	.	.
23009361	25	MT	80	8		3	79	23	41	.	.	.	.	.	.	.	.
23009361	26	MT	83	8		4	115	32	63	103	.	.	.	.	.	.	.
23009361	27	MT	75	7		4	95	25	49	79	.	.	.	.	.	.	.
23009361	28	MT	45	1		2	53	24	44	.	.	.	.	.	.	.	.
23009361	29	MT	78	7		4	71	19	34	61	.	.	.	.	.	.	.
23009361	30	MT	72	6		4	69	16	31	62	.	.	.	.	.	.	.
23009361	31	MT	62	4		.	.	.	.	.	.	.	.	.	.	.	.
23009361	32	MT	55	3		.	.	.	.	.	.	.	.	.	.	.	.
23009361	33	MT	78	7		.	.	.	.	.	.	.	.	.	.	.	.
23009361	34	MT	72	6		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	1	GN	241	148	F	.	.	.	.	.	.	.	.	.	.	.	.
23009361	2	GN	136	126	F	.	.	.	.	.	.	.	.	.	.	.	.
23009361	3	GN	216	102		.	.	.	.	.	.	.	.	.	.	.	.
23009361	4	GN	136	143		.	.	.	.	.	.	.	.	.	.	.	.
23009361	5	GN	173	51		.	.	.	.	.	.	.	.	.	.	.	.
23009361	6	GN	210	92	F	.	.	.	.	.	.	.	.	.	.	.	.
23009361	7	GN	186	60		.	.	.	.	.	.	.	.	.	.	.	.
23009361	8	GN	206	83		.	.	.	.	.	.	.	.	.	.	.	.
23009361	9	GN	230	108	F	4	102	27	55	93	.	.	.	.	.	.	.
23009361	10	GN	235	113	M	4	104	35	68	95	.	.	.	.	.	.	.
23009361	11	GN	242	126	F	4	97	23	45	88	.	.	.	.	.	.	.
23009361	12	GN	225	102	F	4	129	38	70	107	.	.	.	.	.	.	.
23009361	13	GN	197	72	M	3	91	27	58	.	.	.	.	.	.	.	.
23009361	14	GN	227	108	F	3	119	37	61	.	.	.	.	.	.	.	.
23009361	15	GN	182	65	F	2	88	46	68	.	.	.	.	.	.	.	.
23009361	16	GN	230	109	M	4	110	35	52	95	.	.	.	.	.	.	.
23009361	17	GN	183	62	M	2	88	46	68	.	.	.	.	.	.	.	.
23009361	18	GN	249	144	F	3	96	30	54	.	.	.	.	.	.	.	.
23009361	19	GN	238	115	M	4	130	31	60	109	.	.	.	.	.	.	.
23009361	20	GN	233	111	M	4	126	40	70	107	.	.	.	.	.	.	.
23009361	21	GN	251	156	F	4	140	51	88	130	.	.	.	.	.	.	.

----- NAME=PORTER POND DATE=72982 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23009361	22	GN	182	57	M	2	76	39	58	.	.	.	.	.	.	.	.
23009361	23	GN	240	134	F	4	122	38	61	102	.	.	.	.	.	.	.
23009361	24	GN	181	57	M	2	74	35	56	.	.	.	.	.	.	.	.
23009361	25	GN	251	138	F	4	124	40	67	107	.	.	.	.	.	.	.
23009361	26	GN	254	156	M	4	117	46	65	100	.	.	.	.	.	.	.
23009361	27	GN	237	121	M	4	124	40	70	105	.	.	.	.	.	.	.
23009361	28	GN	180	55	M	2	82	52	70	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=BANDED KILLIFISH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	GN	84	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	2	GN	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	3	GN	85	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	4	GN	97	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	5	GN	91	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	6	GN	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	7	GN	88	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	8	GN	90	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	9	GN	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	10	GN	94	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	11	GN	92	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	12	GN	91	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	13	GN	97	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	14	GN	87	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	15	GN	89	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	16	GN	88	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	17	GN	90	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	18	GN	93	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	19	GN	86	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	1	MT	63	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	2	MT	74	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	3	MT	50	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	GN	378	610	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	2	GN	335	402	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	3	GN	297	280	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	4	GN	297	305	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	5	GN	169	61	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	6	GN	179	63	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	7	GN	180	58	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	8	GN	163	47	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	9	GN	157	46	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	10	GN	134	27	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	11	GN	124	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	12	GN	138	29	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	13	GN	120	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	14	GN	118	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	15	GN	104	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	16	GN	160	43	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	17	GN	146	32	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	18	GN	164	52	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	19	GN	143	32	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	20	GN	147	34	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	21	GN	125	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	22	GN	124	22	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	23	GN	144	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	24	GN	121	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	25	GN	134	23	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	26	GN	129	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	27	GN	144	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	28	GN	115	15	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=CENTRARCHID SP. -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=EMPTY -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	.	TN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=PATHEAD MINNOW -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	.	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	GN	137	32	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	2	GN	79	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	3	GN	144	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	4	GN	105	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	5	GN	113	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	6	GN	114	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	7	GN	97	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	8	GN	104	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	9	GN	84	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	10	GN	111	16	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	11	GN	104	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	12	GN	87	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	13	GN	107	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	14	GN	80	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	15	GN	105	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	16	GN	84	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	17	GN	101	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	18	GN	100	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	19	GN	96	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	20	GN	78	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	21	GN	100	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	22	GN	79	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	23	GN	104	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	24	GN	99	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	25	GN	88	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	26	GN	97	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	27	GN	84	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	28	GN	96	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=NO. REDBELLY DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=71884 SPECIES=RAINBOW SMELT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	GN	130	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	2	GN	133	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	3	GN	124	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	4	GN	129	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	5	GN	127	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	6	GN	132	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	7	GN	131	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	8	GN	117	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	9	GN	125	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	10	GN	129	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	11	GN	124	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	12	GN	133	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	13	GN	123	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	14	GN	130	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	15	GN	129	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23029364	16	GN	126	11	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=101382 SPECIES=BANDED KILLIFISH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	MT	83	5		2	55	31	48	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=101382 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	GN	199	65		2	34	11	25	.	.	.	.	.	.	.	.
23029364	2	GN	202	74		2	39	14	31	.	.	.	.	.	.	.	.
23029364	3	GN	176	50		1	24	12	.	.	.	.	.	.	.	.	.
23029364	4	GN	187	56		1	27	15	.	.	.	.	.	.	.	.	.
23029364	5	GN	296	271	M	2	47	17	34	.	.	.	.	.	.	.	.
23029364	6	GN	290	203	F	2	59	20	42	.	.	.	.	.	.	.	.
23029364	7	GN	301	274	M	2	45	20	34	.	.	.	.	.	.	.	.
23029364	8	GN	220	338	F	3	55	16	29	.	.	.	.	.	.	.	.
23029364	9	GN	310	311	F	3	68	20	39	.	.	.	.	.	.	.	.
23029364	10	GN	290	225	F	3	58	19	35	.	.	.	.	.	.	.	.
23029364	11	GN	147	150	M	2	37	15	28	.	.	.	.	.	.	.	.
23029364	12	GN	258	149	F	2	43	10	26	.	.	.	.	.	.	.	.
23029364	13	GN	244	141		2	38	11	28	.	.	.	.	.	.	.	.
23029364	14	GN	218	94		2	37	12	26	.	.	.	.	.	.	.	.
23029364	15	GN	191	67		2	34	12	27	.	.	.	.	.	.	.	.
23029364	16	GN	200	65		1	30	15	.	.	.	.	.	.	.	.	.
23029364	17	GN	200	69		2	32	12	26	.	.	.	.	.	.	.	.
23029364	18	GN	190	57		2	27	11	22	.	.	.	.	.	.	.	.
23029364	19	GN	174	47		1	43	20	.	.	.	.	.	.	.	.	.
23029364	20	GN	205	72	F	1	33	15	.	.	.	.	.	.	.	.	.
23029364	21	GN	320	322	F	3	43	14	27	.	.	.	.	.	.	.	.
23029364	22	GN	212	96	M	2	30	13	24	.	.	.	.	.	.	.	.
23029364	23	GN	193	62		2	33	13	25	.	.	.	.	.	.	.	.
23029364	24	GN	182	58	F	1	25	14	.	.	.	.	.	.	.	.	.
23029364	25	GN	186	51		2	35	16	29	.	.	.	.	.	.	.	.
23029364	26	GN	183	64	M	2	37	14	32	.	.	.	.	.	.	.	.
23029364	27	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	28	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	29	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	30	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	31	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	32	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	33	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	34	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	35	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	36	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	37	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.
23029364	39	GN	.	.		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=101382 SPECIES=FALLFISH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	MT	75	4		1	83	45	.	.	.	.	.	.	.	.	.
23029364	2	MT	65	2		1	85	55	.	.	.	.	.	.	.	.	.
23029364	3	MT	69	3		1	80	43	.	.	.	.	.	.	.	.	.
23029364	4	MT	76	4		1	92	42	.	.	.	.	.	.	.	.	.
23029364	5	MT	59	5		1	74	48	.	.	.	.	.	.	.	.	.
23029364	6	MT	.	3		.	.	.	.	.	.	.	.	.	.	.	.
23029364	7	MT	64	2		1	62	30	.	.	.	.	.	.	.	.	.
23029364	8	MT	43	1		.	43	.	.	.	.	.	.	.	.	.	.
23029364	9	MT	45	1		.	44	.	.	.	.	.	.	.	.	.	.
23029364	10	MT	50	1		.	55	.	.	.	.	.	.	.	.	.	.
23029364	11	MT	46	1		.	51	.	.	.	.	.	.	.	.	.	.
23029364	12	MT	56	2		.	57	.	.	.	.	.	.	.	.	.	.
23029364	13	MT	52	1		.	58	.	.	.	.	.	.	.	.	.	.
23029364	14	MT	59	2		1	75	45	.	.	.	.	.	.	.	.	.

----- NAME=TROUT POND DATE=101382 SPECIES=RAINBOW SMELT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23029364	1	GN	157	22		2	130	73	108	.	.	.	.	.	.	.	.
23029364	2	GN	150	19		2	145	69	118	.	.	.	.	.	.	.	.
23029364	3	GN	159	23		2	146	77	121	.	.	.	.	.	.	.	.
23029364	4	GN	156	22		2	148	80	125	.	.	.	.	.	.	.	.
23029364	5	GN	151	22		2	138	78	115	.	.	.	.	.	.	.	.

----- NAME=TWIN POND DATE=90283 SPECIES=BLACKNOSE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021320	1	MT	71	3		2	81	44	70	.	.	.	.	.	.	.	.
23021320	2	MT	69	2		2	70	33	53	.	.	.	.	.	.	.	.
23021320	3	MT	72	3		2	64	30	52	.	.	.	.	.	.	.	.
23021320	4	MT	70	3		2	73	36	63	.	.	.	.	.	.	.	.
23021320	5	MT	74	3		2	89	34	61	.	.	.	.	.	.	.	.
23021320	6	MT	75	4		2	79	32	62	.	.	.	.	.	.	.	.
23021320	7	MT	70	3		2	67	29	50	.	.	.	.	.	.	.	.
23021320	8	MT	68	3		2	90	50	78	.	.	.	.	.	.	.	.
23021320	9	MT	69	2		2	63	34	54	.	.	.	.	.	.	.	.
23021320	10	MT	69	2		2	63	34	54	.	.	.	.	.	.	.	.
23021320	11	MT	58	1		1	53	32	.	.	.	.	.	.	.	.	.
23021320	12	MT	70	3		2	85	32	57	.	.	.	.	.	.	.	.
23021320	13	MT	65	3		2	78	40	63	.	.	.	.	.	.	.	.
23021320	14	MT	60	2		1	64	38	.	.	.	.	.	.	.	.	.
23021320	15	MT	70	3		2	89	34	64	.	.	.	.	.	.	.	.
23021320	16	MT	59	2		1	50	33	.	.	.	.	.	.	.	.	.
23021320	17	MT	64	2		1	66	42	.	.	.	.	.	.	.	.	.
23021320	18	MT	64	2		1	59	39	.	.	.	.	.	.	.	.	.
23021320	19	MT	60	2		1	70	40	.	.	.	.	.	.	.	.	.
23021320	20	MT	68	4		2	72	36	59	.	.	.	.	.	.	.	.
23021320	21	MT	69	3		.	.	.	.	.	.	.	.	.	.	.	.
23021320	22	MT	65	3		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TWIN POND DATE=90283 SPECIES=BLACKNOSE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021320	23	MT	69	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	24	MT	65	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	25	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	26	MT	65	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	27	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	28	MT	67	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	29	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	30	MT	62	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	31	MT	67	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	32	MT	62	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	33	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	34	MT	56	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	35	MT	67	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	36	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	37	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	38	MT	64	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	39	MT	73	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	40	MT	59	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	41	MT	65	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	42	MT	57	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	43	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	44	MT	70	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	45	MT	72	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	46	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	47	MT	75	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	48	MT	62	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	49	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	50	MT	56	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	51	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	52	MT	66	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	53	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	54	MT	70	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	55	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	56	MT	66	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	57	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	58	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	59	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	60	MT	66	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	61	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	62	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	63	MT	57	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	64	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	65	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	66	MT	65	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	67	MT	63	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	68	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	69	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	70	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	71	MT	76	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	72	MT	69	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	73	MT	70	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	74	MT	64	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	75	MT	65	2	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TWIN POND DATE=90283 SPECIES=BLACKNOSE DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021320	76	MT	70	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	77	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	78	MT	56	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	79	MT	63	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	80	MT	54	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	81	MT	60	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	82	MT	61	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	83	MT	63	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	84	MT	51	1	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=TWIN POND DATE=90283 SPECIES=BROOK TROUT -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021320	1	GN	260	215	M	3	43	13	27	.	.	.	.	.	.	.	.
23021320	2	GN	283	239	F	3	44	11	26	.	.	.	.	.	.	.	.
23021320	3	GN	202	97	F	2	30	11	21	.	.	.	.	.	.	.	.
23021320	4	GN	200	83	M	2	33	15	25	.	.	.	.	.	.	.	.
23021320	5	GN	226	124	M	2	39	14	27	.	.	.	.	.	.	.	.
23021320	6	GN	214	94	F	2	29	13	22	.	.	.	.	.	.	.	.
23021320	7	GN	201	80	M	2	36	12	24	.	.	.	.	.	.	.	.
23021320	8	GN	220	104	F	2	32	13	24	.	.	.	.	.	.	.	.
23021320	9	GN	255	146	M	2	38	15	28	.	.	.	.	.	.	.	.
23021320	10	GN	176	45	M	1	27	14	.	.	.	.	.	.	.	.	.
23021320	11	GN	248	127	M	3	39	13	25	.	.	.	.	.	.	.	.
23021320	12	GN	171	43	M	1	29	16	.	.	.	.	.	.	.	.	.
23021320	13	GN	346	437	M	5	70	13	27	52	64	.	.	.	.	.	.

----- NAME=TWIN POND DATE=90283 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021320	1	MT	55	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	2	MT	49	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	3	MT	60	1	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	4	MT	58	2	.	.	.	.	.	.	.	.	.	.	.	.	.
23021320	5	MT	67	2	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80884 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	.	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	.	TN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80884 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	.	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	.	TN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80884 SPECIES=NO.REDBELLY DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	.	MT	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80884 SPECIES=PPARL DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	.	GN	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80884 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	4	GN	260	213	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	5	GN	341	479	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	6	GN	365	545	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	7	GN	376	628	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	1	TN	319	343	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	2	TN	380	566	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	3	TN	385	593	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	4	TN	329	381	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	5	TN	176	60	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	6	TN	149	36	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	7	TN	266	233	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	8	TN	319	369	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	9	TN	192	76	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	10	TN	207	103	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	11	TN	135	25	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	12	TN	225	134	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=CRFEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	1	MT	149	41	.	2	186	44	131	.	.	.	.	.	.	.	.
23021355	2	MT	125	22	.	2	168	40	115	.	.	.	.	.	.	.	.
23021355	3	MT	100	11	.	2	152	42	108	.	.	.	.	.	.	.	.
23021355	4	GN	106	15	.	2	155	41	95	.	.	.	.	.	.	.	.
23021355	5	GN	137	33	.	2	188	35	107	.	.	.	.	.	.	.	.
23021355	6	GN	171	54	.	3	245	45	93	.	.	.	.	.	.	.	.
23021355	7	GN	112	17	.	2	125	27	83	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	8	GN	110	14		2	170	41	115	.	.	.	.	.	.	.	.
23021355	9	GN	117	16		2	142	38	99	.	.	.	.	.	.	.	.
23021355	10	GN	154	.		2	194	42	133	.	.	.	.	.	.	.	.
23021355	11	GN	109	15		2	162	26	115	.	.	.	.	.	.	.	.
23021355	12	GN	103	12		2	156	35	104	.	.	.	.	.	.	.	.
23021355	13	GN	113	16		2	137	20	92	.	.	.	.	.	.	.	.
23021355	14	GN	109	.		2	190	42	132	.	.	.	.	.	.	.	.
23021355	15	GN	111	16		2	136	27	96	.	.	.	.	.	.	.	.
23021355	16	GN	110	15		2	145	35	98	.	.	.	.	.	.	.	.
23021355	17	GN	112	16		2	143	32	100	.	.	.	.	.	.	.	.
23021355	18	GN	108	14		2	172	34	104	.	.	.	.	.	.	.	.
23021355	19	GN	113	15		2	147	33	113	.	.	.	.	.	.	.	.
23021355	20	GN	106	13		2	162	40	107	.	.	.	.	.	.	.	.
23021355	21	GN	110	13		2	158	39	98	.	.	.	.	.	.	.	.
23021355	22	GN	118	18		2	158	34	102	.	.	.	.	.	.	.	.
23021355	23	GN	108	14		2	172	45	120	.	.	.	.	.	.	.	.
23021355	24	GN	108	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	25	GN	110	13		.	.	.	.	.	.	.	.	.	.	.	.
23021355	26	GN	117	.		.	.	.	.	.	.	.	.	.	.	.	.
23021355	27	GN	106	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	28	GN	114	16		.	.	.	.	.	.	.	.	.	.	.	.
23021355	29	GN	112	16		.	.	.	.	.	.	.	.	.	.	.	.
23021355	30	GN	113	16		.	.	.	.	.	.	.	.	.	.	.	.
23021355	31	GN	101	10		.	.	.	.	.	.	.	.	.	.	.	.
23021355	32	GN	107	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	33	GN	109	15		.	.	.	.	.	.	.	.	.	.	.	.
23021355	34	GN	104	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	35	GN	106	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	36	GN	104	13		.	.	.	.	.	.	.	.	.	.	.	.
23021355	37	GN	112	15		.	.	.	.	.	.	.	.	.	.	.	.
23021355	38	GN	112	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	39	GN	109	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	40	MT	163	53		.	.	.	.	.	.	.	.	.	.	.	.
23021355	41	MT	151	42		.	.	.	.	.	.	.	.	.	.	.	.
23021355	42	MT	112	15		.	.	.	.	.	.	.	.	.	.	.	.
23021355	43	MT	112	16		.	.	.	.	.	.	.	.	.	.	.	.
23021355	44	MT	130	23		.	.	.	.	.	.	.	.	.	.	.	.
23021355	45	MT	99	9		.	.	.	.	.	.	.	.	.	.	.	.
23021355	46	MT	138	27		.	.	.	.	.	.	.	.	.	.	.	.
23021355	47	MT	126	22		.	.	.	.	.	.	.	.	.	.	.	.
23021355	48	MT	113	14		.	.	.	.	.	.	.	.	.	.	.	.
23021355	49	MT	121	18		.	.	.	.	.	.	.	.	.	.	.	.
23021355	50	MT	117	16		.	.	.	.	.	.	.	.	.	.	.	.
23021355	51	MT	98	9		.	.	.	.	.	.	.	.	.	.	.	.
23021355	52	MT	115	16		.	.	.	.	.	.	.	.	.	.	.	.
23021355	53	MT	132	24		.	.	.	.	.	.	.	.	.	.	.	.
23021355	54	MT	154	34		.	.	.	.	.	.	.	.	.	.	.	.
23021355	55	MT	127	25		.	.	.	.	.	.	.	.	.	.	.	.
23021355	56	MT	124	20		.	.	.	.	.	.	.	.	.	.	.	.
23021355	57	MT	115	18		.	.	.	.	.	.	.	.	.	.	.	.
23021355	58	MT	140	29		.	.	.	.	.	.	.	.	.	.	.	.
23021355	59	MT	127	19		.	.	.	.	.	.	.	.	.	.	.	.
23021355	60	MT	149	36		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	61	MT	113	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	62	MT	97	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	63	MT	124	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	64	MT	112	16	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	65	MT	117	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	66	MT	120	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	67	MT	101	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	68	MT	138	30	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	69	MT	104	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	70	MT	100	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	71	MT	103	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	72	MT	129	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	73	MT	87	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	74	MT	95	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	75	MT	81	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	76	MT	126	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	77	MT	100	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	78	MT	98	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	79	MT	129	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	80	MT	94	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	81	MT	111	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	82	MT	137	28	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	83	MT	94	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	84	MT	99	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	85	MT	123	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	86	MT	124	22	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	87	MT	124	22	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	88	MT	106	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	89	MT	97	9	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	90	MT	97	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	91	MT	119	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	92	MT	114	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	93	MT	102	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	94	MT	106	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	95	MT	123	20	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	96	MT	103	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	97	MT	132	26	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	98	MT	137	27	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	99	MT	93	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	100	MT	120	18	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	101	MT	108	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	102	MT	116	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	103	MT	108	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	104	MT	116	17	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	105	MT	105	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	106	MT	106	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	107	MT	117	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	108	MT	115	19	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	109	MT	87	7	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	110	MT	104	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	111	MT	107	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	112	MT	109	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	113	MT	105	14	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=CREEK CHUB -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	114	MT	102	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	115	MT	104	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	116	MT	100	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	117	MT	106	15	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	118	MT	104	11	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	119	MT	106	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	120	MT	102	13	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	121	MT	103	13	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=GOLDEN SHINER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	1	MT	73	4	.	1	105	79	.	.	.	.	.	.	.	.	.
23021355	2	MT	71	3	.	1	101	74	.	.	.	.	.	.	.	.	.
23021355	3	MT	117	14	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	4	MT	79	4	.	1	106	83	.	.	.	.	.	.	.	.	.
23021355	5	GN	112	14	.	2	154	122	146	.	.	.	.	.	.	.	.
23021355	6	GN	107	12	.	2	165	110	154	.	.	.	.	.	.	.	.
23021355	7	GN	107	12	.	2	157	65	130	.	.	.	.	.	.	.	.
23021355	8	GN	112	13	.	2	145	73	118	.	.	.	.	.	.	.	.
23021355	9	GN	117	16	.	2	150	81	134	.	.	.	.	.	.	.	.
23021355	10	GN	104	.	.	2	170	93	147	.	.	.	.	.	.	.	.
23021355	11	GN	97	9	.	2	173	92	152	.	.	.	.	.	.	.	.
23021355	12	GN	96	8	.	2	126	80	110	.	.	.	.	.	.	.	.
23021355	13	GN	105	11	.	2	153	94	137	.	.	.	.	.	.	.	.
23021355	14	GN	102	11	.	2	152	66	130	.	.	.	.	.	.	.	.
23021355	15	GN	104	11	.	2	143	102	136	.	.	.	.	.	.	.	.
23021355	16	GN	104	11	.	2	130	82	115	.	.	.	.	.	.	.	.
23021355	17	GN	109	12	.	2	166	68	123	.	.	.	.	.	.	.	.
23021355	18	GN	107	11	.	2	140	53	100	.	.	.	.	.	.	.	.
23021355	19	GN	102	10	.	2	129	65	105	.	.	.	.	.	.	.	.
23021355	20	GN	111	13	.	2	171	78	140	.	.	.	.	.	.	.	.
23021355	21	GN	99	11	.	2	130	65	98	.	.	.	.	.	.	.	.
23021355	22	GN	108	12	.	2	162	80	128	.	.	.	.	.	.	.	.
23021355	23	GN	94	9	.	2	119	51	89	.	.	.	.	.	.	.	.
23021355	24	GN	100	11	.	2	144	68	119	.	.	.	.	.	.	.	.
23021355	25	GN	104	.	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	26	GN	104	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	27	GN	112	12	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	28	MT	84	4	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	29	MT	84	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	30	MT	93	8	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	31	MT	97	10	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	32	MT	85	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	33	MT	86	5	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	34	MT	72	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	35	MT	67	3	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	36	MT	88	6	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	37	MT	64	2	.	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=NO.REDBELLY DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	1	MT	57	2		0	18	.	.	.	.	.	.	.	.	.	.
23021355	1	MT	58	1		.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=PEARL DACE -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	1	GN	117	16		2	103	49	77	.	.	.	.	.	.	.	.
23021355	2	GN	113	15		2	88	44	74	.	.	.	.	.	.	.	.
23021355	3	GN	105	13		2	89	35	75	.	.	.	.	.	.	.	.
23021355	4	GN	121	17		2	116	46	78	.	.	.	.	.	.	.	.
23021355	5	GN	121	17		2	112	45	80	.	.	.	.	.	.	.	.
23021355	6	GN	115	15		2	96	38	70	.	.	.	.	.	.	.	.
23021355	7	GN	124	17		2	109	43	82	.	.	.	.	.	.	.	.
23021355	8	GN	117	15		2	85	44	70	.	.	.	.	.	.	.	.
23021355	9	GN	118	.		2	100	50	73	.	.	.	.	.	.	.	.
23021355	10	GN	113	13		2	68	34	59	.	.	.	.	.	.	.	.
23021355	11	GN	113	14		2	96	45	80	.	.	.	.	.	.	.	.
23021355	12	GN	110	13		2	82	44	66	.	.	.	.	.	.	.	.
23021355	13	GN	120	16		2	97	43	70	.	.	.	.	.	.	.	.
23021355	14	GN	118	15		2	95	46	75	.	.	.	.	.	.	.	.
23021355	15	GN	115	14		2	85	39	69	.	.	.	.	.	.	.	.
23021355	16	GN	110	13		2	84	41	68	.	.	.	.	.	.	.	.
23021355	17	GN	107	11		2	88	38	71	.	.	.	.	.	.	.	.
23021355	18	GN	117	16		2	110	46	82	.	.	.	.	.	.	.	.
23021355	19	GN	107	11		2	93	43	74	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	1	GN	297	267	M	2	194	53	149	.	.	.	.	.	.	.	.
23021355	2	GN	208	97		1	138	66	.	.	.	.	.	.	.	.	.
23021355	3	GN	248	175	M	1	152	78	.	.	.	.	.	.	.	.	.
23021355	4	GN	217	106	M	1	114	42	.	.	.	.	.	.	.	.	.
23021355	5	GN	232	142	F	1	137	70	.	.	.	.	.	.	.	.	.
23021355	6	GN	263	217	F	1	162	78	.	.	.	.	.	.	.	.	.
23021355	7	GN	272	228	M	2	201	49	142	.	.	.	.	.	.	.	.
23021355	8	GN	216	109	M	1	124	52	.	.	.	.	.	.	.	.	.
23021355	9	GN	235	160	M	1	136	66	.	.	.	.	.	.	.	.	.
23021355	10	GN	283	283	F	2	206	40	133	.	.	.	.	.	.	.	.
23021355	11	GN	212	104	F	1	124	59	.	.	.	.	.	.	.	.	.
23021355	12	GN	213	114		1	128	68	.	.	.	.	.	.	.	.	.
23021355	13	GN	211	110	M	1	114	49	.	.	.	.	.	.	.	.	.
23021355	14	GN	261	190	F	1	135	68	.	.	.	.	.	.	.	.	.
23021355	15	GN	234	158	M	2	168	56	95	.	.	.	.	.	.	.	.
23021355	16	GN	264	229	F	1	131	70	.	.	.	.	.	.	.	.	.
23021355	17	GN	212	102		1	152	68	.	.	.	.	.	.	.	.	.
23021355	18	GN	342	484	F	3	306	54	102	.	.	.	.	.	.	.	.
23021355	19	GN	201	85		1	122	50	.	.	.	.	.	.	.	.	.
23021355	20	GN	204	87		1	120	46	.	.	.	.	.	.	.	.	.

----- NAME=UNNAMED POND DATE=80983 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23021355	21	GN	287	264	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	22	GN	257	194	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	23	GN	272	244	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	24	GN	243	183	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	25	GN	195	94	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	26	GN	190	75	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	27	GN	127	21	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	28	GN	380	639	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	29	GN	323	383	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	30	GN	363	444	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	31	GN	380	564	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	32	GN	381	575	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	33	GN	334	472	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	34	GN	282	272	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	35	GN	281	269	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	36	GN	319	399	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	37	GN	350	330	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	38	GN	322	403	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	39	GN	233	153	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	40	GN	282	251	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	41	GN	269	225	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	42	GN	246	172	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	43	GN	311	351	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	44	GN	377	614	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	45	GN	241	163	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	46	GN	257	456	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	47	GN	260	204	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	48	GN	272	226	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	49	GN	312	350	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	50	GN	384	651	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	51	GN	323	369	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	52	GN	263	201	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	53	GN	371	570	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	54	GN	280	255	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	55	GN	322	410	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	56	GN	262	225	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	57	GN	257	178	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	58	GN	264	206	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	59	GN	383	594	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	60	GN	362	541	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	61	GN	280	250	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	62	GN	319	376	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	63	GN	267	234	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	64	GN	228	133	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	65	GN	309	367	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	66	GN	321	369	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	67	GN	350	501	F	.	.	.	.	.	.	.	.	.	.	.	.
23021355	68	GN	307	343	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	69	GN	317	378	.	.	.	.	.	.	.	.	.	.	.	.	.
23021355	70	GN	272	252	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	71	GN	272	214	M	.	.	.	.	.	.	.	.	.	.	.	.
23021355	72	GN	198	89	M	.	.	.	.	.	.	.	.	.	.	.	.

----- NAME=UPPER PUG POND DATE=82782 SPECIES=CHAIN PICKEREL -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23019362	1	GN	379	313	F	3	153	76	104	.	.	.	.	.	.	.	.
23019362	2	GN	236	66	M	1	95	70	.	.	.	.	.	.	.	.	.
23019362	3	GN	161	22	M	.	60	.	.	.	.	.	.	.	.	.	.

----- NAME=UPPER PUG POND DATE=82782 SPECIES=PUMPKINSEED SUNF -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23019362	1	MT	67	4		2	82	19	58	.	.	.	.	.	.	.	.
23019362	2	MT	71	4		2	78	17	56	.	.	.	.	.	.	.	.
23019362	3	MT	68	3		2	73	16	52	.	.	.	.	.	.	.	.
23019362	4	MT	66	3		2	66	18	49	.	.	.	.	.	.	.	.
23019362	5	MT	70	5		2	79	28	64	.	.	.	.	.	.	.	.
23019362	6	MT	46	2		1	40	20	.	.	.	.	.	.	.	.	.
23019362	7	MT	49	2		1	5	2	.	.	.	.	.	.	.	.	.
23019362	8	MT	49	2		1	44	20	.	.	.	.	.	.	.	.	.
23019362	9	MT	49	2		1	50	22	.	.	.	.	.	.	.	.	.
23019362	10	MT	51	2		1	58	23	.	.	.	.	.	.	.	.	.
23019362	11	MT	58	3		1	59	23	.	.	.	.	.	.	.	.	.
23019362	12	MT	53	2		1	43	21	.	.	.	.	.	.	.	.	.
23019362	13	MT	47	1		1	46	24	.	.	.	.	.	.	.	.	.
23019362	14	MT	51	2		1	59	28	.	.	.	.	.	.	.	.	.
23019362	15	MT	45	1		1	48	24	.	.	.	.	.	.	.	.	.
23019362	16	MT	46	1		1	48	23	.	.	.	.	.	.	.	.	.
23019362	17	MT	54	2		1	68	33	.	.	.	.	.	.	.	.	.
23019362	18	MT	46	1		1	45	21	.	.	.	.	.	.	.	.	.
23019362	19	MT	48	2		1	48	21	.	.	.	.	.	.	.	.	.
23019362	20	MT	47	1		1	45	21	.	.	.	.	.	.	.	.	.
23019362	21	MT	50	2		1	60	26	.	.	.	.	.	.	.	.	.
23019362	22	MT	51	2		1	51	20	.	.	.	.	.	.	.	.	.
23019362	23	MT	50	2		1	50	23	.	.	.	.	.	.	.	.	.
23019362	24	MT	48	2		1	59	23	.	.	.	.	.	.	.	.	.

----- NAME=UPPER PUG POND DATE=82782 SPECIES=WHITE PERCH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23019362	1	GN	342	653		4	385	74	205	360	.	.	.	.	.	.	.
23019362	2	GN	282	327		3	337	78	210	.	.	.	.	.	.	.	.
23019362	3	GN	230	163		2	237	53	167	.	.	.	.	.	.	.	.
23019362	4	GN	210	122		2	224	58	166	.	.	.	.	.	.	.	.
23019362	5	GN	259	232		2	250	77	200	.	.	.	.	.	.	.	.

----- NAME=UPPER PUG POND DATE=82782 SPECIES=WHITE SUCKER -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23019362	1	GN	475	1477	M	4	324	79	168	296	.	.	.	.	.	.	.

----- NAME=UPPER PUG POND DATE=82782 SPECIES=YELLOW PERCH -----

STATCO	ID	GEAR	TL	WT	SEX	AGE	RAD	AN1	AN2	AN3	AN4	AN5	AN6	AN7	AN8	AN9	AN10
23019362	1	MT	134	21		3	126	31	91	.	.	.	.	.	.	.	.
23019362	2	MT	128	19		2	84	24	56	.	.	.	.	.	.	.	.
23019362	3	MT	128	19		2	131	37	93	.	.	.	.	.	.	.	.
23019362	4	MT	97	8		2	100	33	66	.	.	.	.	.	.	.	.
23019362	5	MT	96	7		2	84	27	57	.	.	.	.	.	.	.	.
23019362	6	MT	105	9		2	93	23	65	.	.	.	.	.	.	.	.
23019362	7	MT	105	10		2	84	33	56	.	.	.	.	.	.	.	.
23019362	8	MT	85	6		2	81	28	46	.	.	.	.	.	.	.	.
23019362	9	MT	62	1		1	45	28	.	.	.	.	.	.	.	.	.
23019362	10	MT	60	1		1	49	24	.	.	.	.	.	.	.	.	.
23019362	11	MT	58	1		1	42	25	.	.	.	.	.	.	.	.	.
23019362	12	MT	105	10		2	77	29	52	.	.	.	.	.	.	.	.
23019362	13	MT	99	9		2	96	30	54	.	.	.	.	.	.	.	.
23019362	14	MT	55	1		1	36	19	.	.	.	.	.	.	.	.	.
23019362	15	MT	65	3		1	49	29	.	.	.	.	.	.	.	.	.
23019362	16	MT	62	2		1	38	20	.	.	.	.	.	.	.	.	.
23019362	17	MT	60	2		1	41	20	.	.	.	.	.	.	.	.	.
23019362	18	MT	51	2		1	43	22	.	.	.	.	.	.	.	.	.
23019362	19	MT	50	1		1	33	19	.	.	.	.	.	.	.	.	.
23019362	20	MT	95	7		3	95	35	55	.	.	.	.	.	.	.	.
23019362	21	MT	55	2		1	35	19	.	.	.	.	.	.	.	.	.
23019362	22	MT	60	2		1	47	29	.	.	.	.	.	.	.	.	.
23019362	23	MT	85	7		3	74	23	43	.	.	.	.	.	.	.	.
23019362	24	MT	56	2		1	39	20	.	.	.	.	.	.	.	.	.
23019362	25	MT	50	2		1	42	27	.	.	.	.	.	.	.	.	.
23019362	26	MT	57	2		1	37	29	.	.	.	.	.	.	.	.	.
23019362	27	MT	48	1		1	35	18	.	.	.	.	.	.	.	.	.
23019362	28	MT	57	2		1	37	26	.	.	.	.	.	.	.	.	.
23019362	29	MT	63	3		1	41	22	.	.	.	.	.	.	.	.	.
23019362	30	MT	59	2		1	42	23	.	.	.	.	.	.	.	.	.
23019362	31	MT	62	2		1	42	20	.	.	.	.	.	.	.	.	.
23019362	32	MT	61	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	33	MT	55	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	34	MT	61	3		.	.	.	.	.	.	.	.	.	.	.	.
23019362	35	MT	59	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	36	MT	52	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	37	MT	51	1		.	.	.	.	.	.	.	.	.	.	.	.
23019362	38	MT	60	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	39	MT	62	3		.	.	.	.	.	.	.	.	.	.	.	.
23019362	40	MT	59	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	41	MT	49	1		.	.	.	.	.	.	.	.	.	.	.	.
23019362	42	MT	47	1		.	.	.	.	.	.	.	.	.	.	.	.
23019362	43	MT	55	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	44	MT	53	2		.	.	.	.	.	.	.	.	.	.	.	.
23019362	45	MT	52	1		.	.	.	.	.	.	.	.	.	.	.	.



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